

RECORD

3768-

4279

CARPT  
BOT  
Plowman

007 Plant Introduction Permit

# 37-41840

U.S. Department of Agriculture  
Plant Inspection House

P.O. Box 2136

Miami, Fla. 33159

Attn: Mr. Lee



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S. E. LEDGER

RECORD

D. E. LEDGER

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U. S. A.

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728  
Remite:

TIMOTHY PLOWMAN  
BOTANICAL MUSEUM  
HARVARD UNIVERSITY  
CAMBRIDGE, MASS. 02138



SOUTH AMERICAN COLLECTIONS:

T. Plowman, C. Shevish, E. W. Davis  
C. Lombardi: Depto. Cauca, Santander  
de Quilinchao. 20 July 1974.

3768. *Erythroxylum novogranatense*  
(Morris) Hieron.

ECW  
US  
F  
NEW  
COL  
W  
W

Shrub 3 m. tall, with  
spreading branches.

Several trunks arising from  
base, dark brown.

Lvs. bright yellow-green,  
strongly bilineate beneath.  
Frs. large, oblong-ellipsoid,  
bright red at maturity.

Cultivated along roadside  
in yard.

use: leaves used for  
toothaches.

COLOMBIA: Depto. Nariño.

11 mi. north of

Ipiales on road to Pasto.

Elev. 8000 ft. 22 July 1974.

Roadside pasture, hillside.

3769. Ischroma fuchsoides

(8)

Shrub 2 m. tall.

Leaves dark shiny green.

Fls. bright red, pendant.

Frs. greenish to pale cream.

(A) → K

3770. Solanum pseudoquina <sup>Det. S. Knapp</sup>  
barbulatum Zehlbr. 1985.

(5)

Shrub 1.5 m. tall.

Lvs. shiny, dark green.

Petals white.

(A) → K

3771. Solanum

(3).

Herb, low spreading,  
0.2 m. tall. Fls. purple.

GH  
US  
BIRM  
MO  
NY  
K  
COL  
U

GH  
MO  
BIRM  
US  
F  
COL

GH  
BIRM  
COL

- 3772. Ambrosia arborescens Mill.

GH (4)

COL subwoody shrub ~ 1 m. tall  
US flowering & mature fruit.

US

K

→ Ambrosia artemisioides  
det. H. Robinson 1979.

ECUADOR: PROVINCIA IMBABURRA

Lago Cuycocha, Municipio de  
Cuycocha, CANTON COTACACHI.

Elev. 11200-11700 ft.

23 July 1974.

GH  
COL  
US  
P  
3773. Hyperomeles

Rosaceae

(4)

Shrub 1.0 m. tall. Fls.  
creamy white. Frs. red turning  
black at maturity -

Vaccinium floribundum HBK.

GH  
COL  
US  
P  
3774.

Ericaceae

(3)

det. 'Luteyn 1978

Low shrub 0.5 m. tall.

Corolla bright pink Frs.  
Blue-black.

GH  
COL  
US  
P  
3775. Pernettya prostrata (Sw.) DC. Ericaceae

(3)

det. Luteyn

Shrub 1 m. tall. Calyx pink.  
Petals white. Frs. black.



3776. Lupinus

GH

(1)

Herb on exposed places.  
Fls. blue-purple.

Stevia

3777

GH

(3)

to 1 m. tall -

COL

US

Herb. Stems red. Calyx red-brown. Corolla white.

3778. Peperomia galioides H.B.K.

(3)

det. R. Callejas, 1982

F

GH

COL

Succulent herb among rocks.  
Leaves and spikes becoming yellow.

3779. Halenia

(2)

GH

US

Herb. Fls. yellow.

Orthrosanthus

3780. ~~Sisyrinchium~~

(2)

GH

Herb. Fls. light blue.

3781.

Labiatae

GH  
WS

Aromatic herb to 1 m. tall.  
Fls. white.

3782. Castilleja

(1)

GH

Herb lower bracts + flowers  
bright green. Upper bracts  
bright red.

3783. Calceolaria sericea Pennell

det Molau 1980.

GH

(1)

Herb .7 m. tall. Corolla  
pale yellow to cream.  
Only one seen.

3784. Calceolaria hyssopifolia HBK  
det Molzu 1978.

GH  
COL (2) a. Herb 0.5 m. on exposed  
slope. Fls. pale yellow.

GH  
COL (2) b. Herb 1.5 m. in moist, protected  
ravine.  
Not common.

3785. Calceolaria lamiifolia HBK.  
GH 5 det. Molzu 1980.

COL  
S Herb 1 m. tall along roadside.  
Fls. large, bright yellow.  
One seen.

3786. Calceolaria crenata Lam.  
GH 6 det. U. Molzu 1977.

S K Herb 0.3 - 0.5 m. tall. Fls.  
COL bright yellow. Frequent.  
US  
F

3787. Calceolaria trilobata Hemsl.  
GH 6 det. U. Molzu 1981.

US  
COL Herb. 2-3 m. tall in roadside  
thicket. Corolla bright yellow.  
S fading  
FK

3788. Lamerouxia

GH  
OL  
US

Suffrutescent herb to 1 m.  
tall. Corolla rose-pink.

3789. Heppiella ulmifolia (HBK.) Hanst. Gesneria.  
det H. Wehler 75.

Sally  
DBW  
GH

Herb or subshrub to 0.8 m. tall -  
Corolla bright red.

3790. Dalea?

Leguminos.

GH  
NY

Low shrub 0.5 m. tall.  
Corolla bright blue.

3791. Vicia?

Legumin.

GH

Slender vine among shrubs.  
Fls. lavender-purple.

3792. Perezia

Acaules herb. Fls. deep  
yellow.

GH

3793. Hypochoeris Comp.  
GH 1  
unicate Acaules herb, withy latex.  
Foto! Rays pure white.

3794. Togetes  
GH 1  
Frequent herb. Fls. deep yellow.

3795. Tridax stuebelii Hieron. Compos  
~~Croton~~ det. El Guzman 1977  
GH 1  
Herb to 0.3 m. tall. Rays  
pink. Disc yellow.

3796. Ranunculus  
GH 1  
acaulescent herb. Fls. deep  
yellow.

3797. Eryngium humile Cav.  
GH 2  
LA det L. Constance + M. Mathias 1976  
Prosette herb. Infl. greenish  
white.

GH  
LA  
COL

3798. Arracacia moschata Umbellif.  
3 (Kunth in HBK) DC.

Herb 1.0 m. tall. Fls.  
yellow

det L. Constance & M. Mathias  
1976.

GH  
LA

3799. Azorella pedunculata Umbellif.  
2 (Spreng.) M. & C.

Cushion plant. Fls. yellowish.  
det. L. Constance & M. Mathias  
1976.

GH  
MO  
BIRM  
COL

3800. Solanum

4 2 m. tall

Shrub on steep slope.  
Corolla white.

GH  
US  
5

3801. Brachyotum ledifolium Melastom.  
3 ✓ (Desr.) Triana det Wurdach 1975

Shrub 0.5 m. tall. Calyx  
red - Corolla creamy white.

GH  
US  
anom  
5

3802. Miconia crocea (Desr.) Naud.  
3 det Wurdach 1975

Shrub 2 m. tall in ravine.  
Leaves shiny, light cream. Calyx

Creamy-yellow. Corolla white.  
Anthers yellow.

- COL  
S  
F  
GH  
US  
3803. Gentianella diffusa (HBK.) Fabris  
det R. Weaver 1975  
Herb. Calyx purple to brown.  
Corolla blue-purple.

- GH  
3804. Pitcairnia pungens H.B.K. ~~Letrac~~  
det L.B. Smith 76  
Bulbous herb. Calyx &  
corolla bright red.

- GH  
foto  
3805. Stenomesson aurantiacum Herb. Amaryllid.  
det G.A.C. Herklots 1980.  
Bulbous herb. Tepals orange.

- COL  
S  
GH  
US  
F  
3806. Bomarea  
Twining vine. Sepals red-  
Petals red-orange,  
spotted brown adaxially.  
Pedicels red-brown, dark.

GH  
K  
3807. Plantago agrostophylla Decne.  
2 det. Kew 1978.  
Rosette herb

GH  
USM  
F  
3  
3808. Monina  
Shrub 2 m. tall - Corolla  
dark blue.

GH  
1  
3809. Myosotis  
Herb on scree slope. Petals  
bright blue.

GH  
US  
2  
3810. Eupatorium Compositae  
det E. Zardini 1977.  
Shrub 2 m. tall. Fls.  
white.

BH  
US  
BS  
OL  
4 ✓  
3811. Cheilanthes myriophyllus Desv.  
det. B. Sporre 1976.  
fern growing on rocky slopes.  
CHEILANTHES LENDIGERA (Cav.) SWARTZ  
DET. D. B. LELLINGER 1989



3812. Polystichum: POLYPHYLLUM PRESL

SH 3 ✓ DET. D. B. LELLINGER 1989

US large caespitose fern on rocky slopes, exposed.

3813.

SH 1

Fern on dry <sup>exposed</sup> rocky slope.

3814. NIPHIDIUM ALBOPUNCTATISSIMUM LELLINGER

SH 5 DET. D. B. LELLINGER

US Fern on exposed rocky slopes.

3815. Elaphoglossum

SH 2 ✓

US Fern on exposed rocky slopes.

3816.

SH 1

Delicate fern, <sup>protected</sup> deep among shrubby growth on slopes. fern

US  
COL  
S  
GH  
F  
3817. Ephedra americana H. & B. ex Willd.  
5

Low shrub on exposed  
rocky slope.

US  
GH  
3818. Puya glomerifera Mez + Sodiro  
2 det LB Smith 1966.

Rosette herb. Scape  
1-2 m. tall. Corolla pale  
green

GH  
DAV  
3819. Euphorbia laurifolia Juss. Euphorb.  
2

"pinon  
fencepost 2 m. tall.  
Petioles red, lvs. green.  
♀ fls. greenish to yellow.  
det QB Webster 75

GH F  
US  
COL  
S  
3820. Dioscorea  
5✓

Vine or shrubs along  
roadside.

ECON  
COL  
S  
3821. Cotizaria ruscifolia  
3✓ ssp. microphylla

Frequent shrub. 2 m. tall.

"Shanshi" N.V.

Frs. black.

ECUADOR: PROVINCIA IMBABURRA  
Municipio de Cotacachi.  
Comunidad de Chilcapamba,  
above Apuela, region of Otavalo.  
24 July 1974.

Roadcut in volcanic ash.  
Elev. 8500 ft. Dense thicket.

3822. CHEILANTHES BONARIENSIS (WILLO.) PROCTOR  
DET. D. B. LELLINGER 1989

GH US 4  
COL MICH

Lf. white abaxially.

3823. Pellaea sagittata (Sw.) Link.  
det B. Sparre

GH S  
US  
MICH

3824. Pellaea ternifolia (Sw.) Link

GH  
US  
S

3825. Asplenium

GH S

3826. Asplenium

GH 7. 1  
S

F  
MICH  
S  
COL  
GH  
US  
3827. Asplenium PRAEMORSUM SWARTZ  
DET. D. B. LELLINGER 1989  
needs labels

GH  
COL  
US  
MICH  
3828. Polypodium THYSSANOLEPIS A. BR.  
4 ✓ DET. D. B. LELLINGER 1989

GH  
MICH  
US  
COL  
3829. Cheilanthes MYRIOPHYLLA DESV.  
4 ✓ DET. D. B. LELLINGER 1989

GH  
COL  
S  
MICH  
3830. Polypodium  
4 ✓

US  
S  
GH?  
3831. NIPHIDIUM LONGIFOLIUM (CAV.) MORTON &  
4 DET. D. B. LELLINGER 1989 LELLINGER  
Strap leaved.

GH  
CTES  
P  
COL  
3832. Byttneria ovata Lam. Stercul.  
4 det. T. Plowman 1978.  
Shrub 1 m. tall in full sun.  
Prickly. Fls. translucent,  
pale brown to cream. Frs. explosively  
dehiscent.

Ecuador: PROVINCIA IMBABURRA

Above Apuela, Mun. de  
Cotacachi. Sitio Moracho.

Elev. 9200 ft. 24 July 1974

Disturbed waste place along road.

3833. Solanum ecuadorensis

K

4

Flat-topped

GH

MO

COL

Spreading shrubs 1 m.  
tall. Fls. white. Frs.

green. Infected with  
orange larva creating

seed PTBG  
W. <sup>me</sup> 1981!

monstrous fleshy flowers.

3834. Solanum crinitipes

K

3

Sparsely branched

Small tree to 6 m. tall  
in open. Trunk + branches  
very spiny. ~~Fls.~~ deep violet.  
Frs. yellowish green at  
maturity.

Les. arched at midrib,  
undulate at margin.

(A) → K

seed PTBG

GH

COL

MO

3835. Euphorbia laurifolia Juss. Euphorb.

GH

1

"pinon"

det. G.L. Webster 75

COL

Fencepost 2 m. tall.

Frs. green.

3836

GH

US

COL

S

Monochaetum hortwegianum Naud.

det Wundack 1975

Shrub 2 m. Stem hairs

red. Petals bright pink

Frs. red. On hillside among shrubs.

3837.

Liabum igniarum (HBK.) Less.

GH

COL

US

S

Quit

det H. Robinson 1978

Subshrub to 1.5 m. tall.

Lvs. shiny dark green above,

creamy-canescient beneath.

Fls. deep yellow. Roadside pasture.

Satureja stachyodes Epling det Kew 1985.

3838.

Satureja fasciculata (Benth.) Briq. habitatae

F

GH

COL

K

4

det. C. Niezgoda '76

low shrub to 0.8 m. on

steep cliff. Fls. lavender.

GH  
K  
COL  
QUITO

3839. Satureja mutabilis Epling Labiatae  
4 det. Kew 1985.

Subshrub, aromatic,  
on steep hillside. Fls.  
lavender.

BIRM  
MO  
US  
COL  
GH

3840. Cestrum  
5

Shrub 2 m. tall growing  
in Eucalyptus grove.  
Frs. green.

GH

3841. Polypodium  
11

Epiphytic creeping  
herb on roadside tree.

3842. Dalca caerulea (L.f.) Leguminosae  
4 Schinz & Thell. det. Kew 1977.

GH  
COL  
NY  
K

Very frequent shrub  
to 2 m. tall. Fls. deep  
blue-violet.



F  
GH  
K  
3843. Hyptis obtusata Benth. Labiatae  
4 (prob. = H. rhocephala Benth.) det. R. Harley 1984  
Subshrub or herb 0.5 m. tall. Aromatic.  
Fls. pale violet.  
det. R. Leaven 1979

NY  
COL  
GH  
3844. Lantana rugulosa H.B.K.  
3 det Moldenke 1975  
Shrub 2 m. tall on hillsides  
among shrubs. Fls. rose-pink.

GH  
US  
AS  
COL  
3845. Adiantum POIRETII WIKSTR.  
4 det. D.B. LELLINGER 1989  
Base of hillside is somewhat moist  
place among herbs.

LA  
GH  
3846. Daucus montanus Humb. Umbellifer.  
2 & Bonpl. ex Spreng.  
In pasture. low herb.  
det L. Constance & M. Mathias  
1976.

Ecuador: PROVINCIA IMBABURRA.  
Municipio de Cotacachi.  
Above Apuela near Morocho.  
Elev. 9400 ft. 24 July 74

Hedgerows and fields.

3847. Cestrum

MO  
BIRM  
GH  
COL  
US

<sup>5</sup>  
Shrub 2 m. tall in  
arroyo - pasture. Young frs.  
green.

3848. Cestrum

GH  
MO  
BIRM

<sup>3</sup>  
Shrub 2 m. tall in  
arroyo bottom pasture. Frs.  
green. Old corolla brown.

3849. Calceolaria

GH  
US  
COL

<sup>3</sup>  
Herb 1 m. tall on bank  
along trail. Corolla very  
pale yellow.

3850. Alternanthera

GH  
US  
TS  
COL

Scandent herb in pasture i  
emrgo bottom.

3851. Castilleja

GH

Herb in trail margins  
and pastures. Infl. bright red.

3852. Blechnum SODIROI C. CHR. Fern

GH  
MICH  
COL  
US  
TS

DET. D.B. LELLINGER 1989

Fencerous among shrubs  
on banks.

3853. Asplenium

GH  
TS

Fencerous on bank along  
path. Among shrubs in moister  
place.

3854. Briza minor L.

GH  
US  
COL  
K

5 det Soderstrom 1975  
Weed in Corn field.

3855. Oenothera

GH  
MO

2

Weed in corn field.  
Hypanthium light red. Petals  
yellow.

3856. Sida

GH  
K

2

Fencerows and fields.  
Fls. yellow-orange with dark  
brown centers.

3857. Solanum

GH  
BIRM  
MO  
F  
COL

5

Scandent herb <sup>to 1 m.</sup> along  
fencerows among shrubs.  
Fls. pale lavender, corolla  
rotate. Frs. ovoid, green-  
ish.

3858. Solanum

BIRM  
MO  
F  
GH

4

Herb along fencerows, 1 m. tall.  
Corolla white. Frs. green.

Tanacetum cinerarii folium (Trev.) Sch. Bip.

3859. Chrysanthemum det. M.O. Dillon 1982.

ECON 2  
MO

"piretro"

Cultivated herb in fields.  
Rays white, disc yellow.

Use: Fls. picked for pyrethrum.

3860. Prunus

ECON  
P  
COL

Tree 10 m. tall along fence-  
row. Frs. green.

3861. Lupinus

GH  
F  
COL  
K

Herb or subshrub, weedy  
in fields and along pastures.  
Fls. bright blue-violet.

Ericaceae.

3862.

picked 7  
note 7

COL  
GH  
US  
K  
F  
MO  
S

Shrub 1-2 m. tall on cliff over-  
hanging road. Bracts + corolla  
carmine red; corolla  
white at tip, waxy.  
Frs. round, black.

3863. Echeverria quitensis (Kunth) Lindl.

S det Kew 1977.

Succulent herb on steep  
cliffs along road. Stems pink  
lvs. grey-green. Calyx  
corolla orange  
pink.

US  
K  
COL  
GH  
F

ECUADOR: PROV. PICHINCHA.

18 miles north of Guayllabamba on  
PanAmerican Highway. Elev. 9300 ft.

Near Equator. Cayambe. 26 Jul 74

3864. Opuntia subg. Austrocylindropuntia Cactaceae

GH 2 O. cylindrica (Lam.) DC. or O. exaltata Berger

K foto. Spiny shrub 2 m. tall along roadside.

Live: W. inea Corolla bright red.

Subg. det M. Flores 1977 sp. det Kew

3865.

Lycianthes lycioides

MO 5

K

Low Spiny shrub to 0.7 m. tall.

COL US GH Corolla deep violet. Berries  
pale orange at maturity.

Branches diffuse.

3866. Cestrum

GH 6

Shrub 1.5 m. tall with erect  
branches. Fls. greenish yellow,  
becoming dark brown with age.

diffusa

3866a. Salpichroa

Live

MO

Climbing semi-woody vine.  
Sterile. No herbarium specimen.  
(A) → K

3867. Auranta rupestris Hayek Verbenaceae  
 4 ✓ det Moldenke 1975  
 NY Spring shrub 1.5 m. tall on  
 GH roadside next to field. Fls.  
 U very pale lavender. Frs.  
 QUITO green enclosed in calyx.

Ecuador: PROV. PICHINCHA  
 Quito. Escuela  
 27 July 74

3868. Ischroma fuchsoides Miels

GH 4  
 F Cuttings Small tree 4 m. tall culti-  
 K to TEL vated in schoolyard. Corolla  
 bright red. Fruits ovoid,  
 pale green, flushed with  
 red, pale yellow at maturity.  
 Iwe-MO  
 waimoa  
 Strong 7334

(A) → K

3869. Streptosolen jameronii

K 4  
 GH Cuttings to Shrub 4 m. tall cultivated  
 QUITO TEL in garden in Quito. Very frequent.  
 F Fls: corolla tube yellow-orange. Limb  
 deep ~~orange~~ <sup>yellow</sup> becoming orange.

(A) → K





29 Oct 84

Dear Tim

Plowman et al. 3868

is not at GH. It seems to be on loan to Gail Stobel at NY.

Thanks for the Erythroxylum det.

There are separate air dried

leaf samples of all my E. collatum at NY. Did you receive them?

I anxiously await flowered results from the Pardo leaves. Let's drag Mel to Bolivia and collect more samples of Lowland Bolivia coca. Information from Bioassays is ~~not~~ needed.

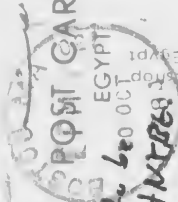
بردى وأوراق لوتس واط تزين أرضية قصر الملك في تل المازنة ١٣٦٤ ق.م.

No 260 Papyrus, lotus flowers, ducks, floor of Palace at Amarna 1364 B.C.

Papyrus, lotus et canards, plancher du palais à Amarna 1364 av. J.-C.

Papyrus, Lotusblumen Wildenten. Palast Fussboden in Amarna 1364 v. Chr

Chen



POST CARD

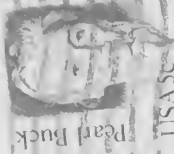
EGYPT

Exclusive for Lehner & Landrock Bookshop in the EGYPTIAN MUSEUM in Cairo Egypt



Richard Russell

USA 10C



Pearl Buck

USA 5C

Tim Plowman

Field Museum of Nat. Hist.

Roosevelt Rd at Lake Shore

Drive

Chicago, Illinois

60605-2496





ECUADOR: PROVINCIA NAPO.

CANTON QUIJOS. PARROQUIA

PAPALLACTA. PAPALLACTA.

ROADSIDE JUST west of Village.

Elev 10700 ft. 28 July 1974.

→ Vulcanica André

3870. Fuchsia ~~canescens Benth.~~ det. P. Berry 1983

5

det Kew. 1977.

Scandent shrub 2 m.

Fls. red.

5

3871. Solanum

GH  
BIRM 3

F

Scandent herb 1.5 m.

Fls. white.

3872. Hebecladus

J. L. L.

1

Scandent herb 2 m. tall  
overhanging cliff. Calyx dark  
bronze green. Corolla pale  
greenish yellow. Frs. pale  
orange at maturity.

(A) → K

BIRM  
MO  
COL  
GH  
US  
F  
P

3873. Oxalis lotooides H.B.K.

det. A. Lourteig

Scandent herb with  
succulent red stems, to 1.5 m.  
Petals orange-yellow.

3874. Pisonia? fragrans Dum. Cours. Nyctaginac.  
det. Kew 1978.

Scandent herb overhanging  
cliff with red succulent  
stems. Petals creamy white.

3875. Equisetum BOGOTENSE H.B.K.

DET. D.B. LELLINGER 1989

Rhizomatous herb on barren  
cliff sides.

3876. Phytolacca bogotensis HBK.

det. J. Atencio (Loja).

Shrub 2 m. tall.  
Buds and fls. magenta pink.  
Frs. purple black.

seed PTBG

3877. Blechnum

fern

GH 2

Hillside. fern.

3878. Cerastium?

4

Herb forming loose mat.  
Fls. white.

3879. Jungia

Compositae

2

Vine. Fls. creamy white.  
Involucres brownish purple.  
det E. Zardini 1977.

3880. Calceolaria lamiiifolia HBK.

4

det Molau 1980.

Herb 2m. tall. Corolla  
bright yellow.

3881. Rubus cf. urticifolia Poir.

(4) "mora" det Kew 1977.

Spiny scandent shrub. Stems  
+ petioles red. Petals pale  
pink.

GH 3882. Polystichum fern  
S 3  
MICL red to pink  
Cespitose fern on road  
bank.

GH 3883. Alonsoa Scrophul.  
F 3  
COL Herb 1.0 m. tall. Fls.  
red-orange.

MO 3884. Epilobium denticulatum R. + P.  
K 4 det Kew 1977.  
GH Herb in gravelly roadside,  
COL to 1 m. tall. Fls. lavender  
pink.  
Below Papallacta.

US 3885. Ceratostemma callistum Ericac.  
F 6 A. C. Smith det. J. Luteyn 76.  
GH Shrub 1.5 m. tall on  
S open hillside - Lvs. coria-  
ceous. Pedicels and calyx  
red. Corolla 5-angled,  
NY fleshy, red-orange, lobes  
black abaxially.

Ecuador: Provincia NAPO.

Canton Quijas.

Above Baiza near washout.

Wet hillside forest. 28 Jul. 1974

alt 8000

3886. Asplenium MAXONII LELLINGER fern

DET. D.B. LELLINGER 1989

GH 5 ✓  
COL  
MICH  
QUITO  
US

Terrestrial fern on forest  
floor. Rooting at tips.

3887. Polypodium

GH 4 ✓  
BOG  
F  
MICH

Epiphytic fern with creeping  
rhizome on tree trunk.

3888. Polypodium

GH 2 ✓  
S

Epiphytic fern with creeping  
rhizome on tree trunk.

3889. Fuchsia scabriuscula Benth.

det Kew 1977.

US  
F K 6  
COL QUITO  
GH

Scandent shrub 2-3 m. tall  
on steep hillside. Flowers  
red. Lvs. rugose, dark green -  
lat. nerves prominent beneath.

3890. Asplenium CUSPIDATUM VAR. TRIPINNATUM

(FOURN.) MORTON & LELLINGER

Epiphyte caespitose fern  
on tree trunk. Lvs. yellow  
green, in full sun.

DET. D.B. LELLINGER 1989

3891. Solanum

2

Scandent herbaceous  
vine 6 m. long on hillside  
sunny shrubs. Corolla  
deep yellow, anthers deep  
yellow. Frs. still green.  
Lvs. rugose, dark green  
above, paler yellowish  
green beneath.

3892. PTERIS DEFLEXA LINK.

Fern

10

DET. D.B. LELLINGER 1989

~~Scandent~~ fern in  
7? moist forest. Fronds c. 2 m.  
H. tall, pinnately compound.



3893. Anthurium sp. rivulorum Engl.

det. Kew 1977.

Live tel

GH 3  
K  
US

epiphytic + terrestrial herb.  
Lvs. shiny, dark green  
above. Spathe light green  
at first, becoming red in  
fruit. Spadix bright rose-  
pink, becoming deep brownish  
red in fruit.

3894. Piper caucense Yun.

3

det. R. Colletjes 1982.

live TEL

COL  
F  
GH

Small tree 3-4 m. tall with  
large cordate leaves, dark  
green above, rugose,  
paler green beneath with  
prominent veinlets.  
Spike creamy white.

3895. Xanthosoma

4

US

GH

COL

QUITO

Terrestrial herb in moist  
forest ravine. Lvs. <sup>very</sup> dark green  
above, pale beneath. Spathe lt.  
yellow green beneath, paler above,

creamy white within.  
Spadix/creamy white.

3896. Piper lanceifolium H.B.K.  
5 det. W. Burger 1981.

GH  
F  
COL  
US  
S

Shrub 2 m. tall in  
hillside forest. Lvs. linearly  
ovate, dark green above,  
paler beneath with prominent  
lateral (parallel) veins.  
Spike creamy white.

3897.  
1

GH

Scrophul.

Tall herb 1 m. tall on  
hillside among shrubs,  
corolla pale yellow.

3898. Hoffmannia sprucei Standl. Rubiac.  
5 det. D. Simpson 1976

F  
GH  
COL  
US  
K

Scandent shrub 2-3 m.  
tall. Fls. yellowish  
Frs. <sup>dark</sup> red at maturity.

3899. Solanum

GH 2  
F

Shrub 2 m. tall, lvs. at  
apex only with fruits. FRS.  
light green.

3900. Touraria pendula R. + P.

Tourariaceae

US 2 det. T. Plowman 1979

GH

Shrub 1-2 m. Lvs. dark  
shiny green above; fls.  
yellowish green. FRS  
green.

3901. Peperomia

Epiphytic herb. Spikes yellow-  
green

3902. Senecio

US 3

GH  
COL

Tall herb 2-3 m. tall with  
milky juice. Rays and disc  
deep <sup>golden</sup> yellow

T  
3903. Centropogon?

F  
GH

Scandent shrub 2 m.  
tall. Calyx yellow green.  
Corolla tube light ~~red~~ red,  
lobes yellow.

3904. Salvia tortuosa HBK. det. S.F. Smith 1983

45 4/ det. J. Wasshausen 1975.  
K

Shrub to treelet 3 m.  
tall. Corolla deep magenta  
purple.

3905. Solanum

BIRM.  
GH  
live  
Wasshausen 1981!

Herb 1 m. tall. Corolla  
pure white.

3906. Celosia

GH  
45  
COL  
K  
F

4  
Scandent herb 2 m.  
long. Infl. creamy white.

ECUADOR: PROV. NAPO. CANTON  
Quijos. Baeza. 29 JULY 1974

3907. Solanum lepidota HBK.

7

Open hillside at bridge  
before Baeza. Shrub 3 m.  
tall. Fls. white. Frs. orange  
at maturity.

MO  
US  
GH  
COL  
QUIB  
F K

29 July 1974.

Ecuador: Prov. Napo. Canton Quijos.  
Along Rio 4700 ft. Salado.

3908. Centropogon baezanos Jepp, sp. nov. Labellioideae.  
det. S. Jeppson 1981.

4

live TEL

GH

K

F

US

Shrub 1 m. tall on steep  
hillside along road. Corolla  
brilliant red-orange. Lobes  
yellow-orange adaxially. Pedicel  
+ calyx ped-purple.

3909. Solanum

BIRM 3

GH

MO

Tall slender shrub 2.5 m. tall  
on sandy river bottom. Frs. green.

3910. Pityrogramma trifoliata (L.) Tryon  
det B. Sparre

! AB. LELLINGER 1989

GH

S

US

✓ 2

Fern in sandy river bottom.

3911. Cuphea

GTH

Kerb in sandy river  
bottom. Fls. pink-lavender.

Ecuador: Prov. Napo. Canton Quijos.  
 5 km. East of Baega. Elev. 5000 ft.  
 29 July 1974. Meadow + forest remnant  
 along road.

3912. Calceolaria tripartita R. + P.

GH  
 1  
 F

det. U. Molén 1981.

Herb in wet meadow. Corolla  
 bright yellow.

Caricaceae

3913. Carica microcarpa Trq. ssp.

GH  
 4  
 US  
 S  
 F

microcarpa det. V. Bodillo 1983

Unbranched tree 5 m. tall,

lvs. all at top. Infruct. axillary,

incl. Waima beneath leaves. Frs. bright red.  
 PTB

3914. Drymonia urceolata Wiedler - Guianensis

det Wiedler. 75

Selby  
 GH  
 S

Shrub 2 m. tall. Stems +  
 2 petioles deep red. Bracts red.  
 Corolla red, yellow at apex.

GH  
 S  
 US  
 COL

3915. Begonia glabra Aubl.

4  
 3

Semi-

Succulent scrambling herb.

Fls. white. Frs. white.

3916. Solanum

GH

1

Herb in pasture. Corolla  
deep violet.

3917. Philodendron ruizii Schott

det. T. Croat 1982.

116 ft <sup>Bombay</sup> <sup>Wainwright</sup> 1981

Grime

Climbing epiphyte on dead  
tree trunk in field. Lvs.

coriaceous, lanceolate.

Spathe white. Clear sap.

SEL #58-75-9

~~3917~~

US

GH

S

BOL



Ecuador: Prov. Napo. Canton  
Quijos. 21 mi. east of Baena.  
Chacaras & forest remnant.  
6400 ft. 29 July 1974

- GH  
S  
F  
US  
OL  
QUITO
3918. Phytolacca rivinoides Kunth & Bouche  
b det C. Niezgodka 1976. !. U. ELIASSON 92  
Herb to 1.5 m. tall. Stems  
& rachis magenta. Petals pink.  
Frs. green.

- GH  
S  
US  
F  
OL
3919. Burmeistera ceratocarpa  
Zahlbr. Campan.  
det C. Niezgodka 1976. S. Teppan 1978  
Shrub 1 m. tall. Stems &  
leaves purple underneath,  
lvs. shiny dark green above.  
Calyx dark red-purple.  
Corolla & fruits dark red-purple.  
In chacara

- S  
F  
GH  
US  
L
3920. Burmeistera borjensis S. Tepp. & nov.  
det. S. Teppan 1978  
5

Subshrub 1 m. tall. Stems &  
leaves green. Petioles pink.  
Calyx & corolla light green  
mottled with red purple.

39 31. Bomarea -

GH 2  
S

Vine 1-2 m. tall. Calyx and corolla deep red-orange. Bracts, pedicel & ovary dark red-purple.

Dalbergaria sp. nov.

3922

det H. Wiedler 1975.

Live TEL ✓

Epiphytic shrub, sparsely branched, on tree trunk.

Lvs. bright yellow-green above, pale yellow beneath with orange-lateral veins.

Bracts creamy white to greenish; sepals white with pink midvein. Corolla white with red-purple markings on lobes.

= E. edulis Kruckhoff 1976.

3923. Erythrina polychaeta Harms

det C. Niezgoda 1976.

NY 7  
GH COL  
US +  
S

Tree 10 m. tall. Young lvs. & stems prickly. Corolla bright orange. In chacara.

3924. Hydrocotyle hitchcockii Rose ex Mathias  
det C. Niezgoda 1976.

Herbaceous vine in 2° growth.  
Fls. <sup>pale</sup> yellow.

GrH 7  
LA  
S  
US  
COL  
F  
QUITO

Ecuador: Prov. Napo. Canton  
 Quijos, 28 mi. east of  
 Baeza, ~~before~~ Salado.  
 5300 ft. Elev. Hillside primary  
 29 Julio 74 forest.

3925 Philodendron nanegalense Engler?  
 det Dan Nicolson 16

live TEL 2 Br. green  
 GH Large herb in forest. Cordate  
 S lvs. Petioles, bracts, + spathe  
 US with soft spinelike outgrowths  
 (raments), white to greenish.  
 Bracts + spathe deep red.

3926. fern.  
 GH Live 10  
 U TRYAL  
 MICH Large caulescent fern  
 AB with ternate lvs. Dimorphic.  
 1.5-2 m. long.

3927. fern.  
 GH 2  
 Acaulescent fern with  
 pinnate lvs.

3928. ?  
 1 High climbing herbaceous  
 vine. FRs. green.

3929. Anthurium

live TEL, Azimera

GH Climbing erect vine. Spathe  
light green. Spadix dark green.

3930. Cissus sicyoides

Vitaceae

4 det. C. Niezgoda 1976

GH Climbing woody vine. Fls.  
S cream yellow.  
COL  
F

3931. Anthurium

2

live - det  
died!

GH Terrestrial herb with rugose  
S leaves. Spathe light green.  
Spadix dark green.

3932. Piper aequale Vahl

GH 2 det. R. Callejas 1982.

F Shrub to trellis to 3 m. tall.  
Spikes slender, creamy white.

3933. Peperomia omnicola C. DC.

GH 2 Succulent herb 0.5 m. tall.  
F Spikes pale green. det. R. Callejas 1982.

GH  
US  
S

3934. Begonia sp.

3✓

pendant  
Scandent herb 2 m. tall.  
Fls. pink to white.

F  
COL  
US  
S  
GH  
LI  
Q4100

3935. Piper sp. aff. P. lanceifolium H.B.K.

7

det. W. Burger 1981.

Shrub 3 m. tall. Stems  
reddish. Spikes ~~cream~~ pale.  
cream to greenish.

F  
S  
GH  
NY

3936. Hoffmannia cerasifera Standl. Rubra.

4

det. D. Simpson 1976.

Shrub 2 m. tall. Fls. yellow.  
Frs. red. ~~to reddish~~

3937. Urera baccifera

2

det. C.C. Berg 1976.

Shrub 3-4 m. tall.

Rachis rose pink. Frs. white.

GH  
LI

3938. Palicourea hospitalis Standl.

4

det. P. Matekaitis 1982

Treelet 5 m. tall. Rachis +  
corolla rose-pink. Frs. green.

S  
F  
GH  
US

3939. Solanum

7

Prickly vine 5-6 m. tall in  
tree tops. Fls. large, white.  
Fr. yellow

MO  
GL  
F  
BIR  
GH  
S  
US

3940. Passiflora alnifolia HBK.

3

det. P.M. Jorgensen 1986

Vine 4 m. high. Lvs. shiny,  
yellow-green. Calyx + corolla creamy  
white. Corona dark purple below, white  
above. FRs. still green.

GH  
US  
S

3941. Polypodium

2 ✓

Entire leaved fern in rocks  
along Quebrada.

GH  
S

3942. THELYPTERIS (AMAUROPELTA)

fern

4

Pinnate lvs. c. 1 m. long,  
Acaulescent.

GH  
US  
GH

3943.

fern.

1

Pinnate lvs. 1 m. long.  
Acaulescent.

GH

3944. Acalypha

GH  
S  
F

3 det D. Simpson 1/16.

Tree 6 m. tall. Infl. yellow  
green.

3945. Dalbergaria sp.

Gesneriad.

GH

1 det. H. Wiehler 75

Subshrub. 1 m. tall.

Bracts yellow with red  
markings

Dalbergaria sp.

3946. Columnnea

Selby

2<sup>v</sup>

det Wiehler 75

Lvs. green, deep red-violet  
at apex. Bracts red.

Fls. yellow.

3947.

Celastrac.

GH

Growing on rocks in  
Quebrada. Infl. purple  
brown.



3948. Peperomia

2

F  
GH

Succulent; lvs. + stems  
yellow-green.

3949. Acalypha

1

GH

Shrub 2 m. Fls. red.

Burmeistera glabrata (HBK.) B. & H.

3950. Siphocampylus det. J. Jepperson 1978

6

det. C. Mezgoda 1976

U  
GH

S

F

COL

US

Shrub 2 m. tall. Pedicel,  
alyx + corolla lt. yellow  
green.

3951. Fuchsia putumayensis Munz

7

det. P. Berry 1983.

S  
Mo  
COL  
Quito  
GH  
US

Quito

GH

US

Shrub 3 m. tall. Fls. <sup>bright</sup> red.  
Frs. dark red, oblong.

3952. Solandra

1

GH

Fls. deep yellow on ground.

3952a. Lvs. <sup>yellow</sup> bright green separate collection.

Live TEL Epiphytic shrub.

Ecuador: Prov. Napo. Canton Quijos.  
About 25 mi. east of Baiza.  
29 July 1974. Elev. c. 5800 ft.

3953. Pilea

Urtic.

GH

1

Succulent herb with reddish  
stems. On fallen log.

3954. Picramnia

Simaroub.

GH

6

det D. Simpson 1976

COL

Tree 10 m. tall in chacara.

F

QUITO

Frs. bright red.

US

3955. Anthurium

Arac.

GH

1

live TEL

Epiphytic herb on fallen  
tree trunk. Spathes  
yellow green.  
Lvs. coriaceous.

3956. Begonia

Begon.

GH

1

Succulent herb. Lvs.  
green above, deep pink  
beneath. Petals pink

3957. Xanthosoma

Arac.

live - TEL

terrestrial herb. spathe  
white.

M.  
Waimea  
Selby

Ecuador: Prov. Napo. Canton Quijos.  
29 Jul 1974. 28 mi. east of Baiza before Salado  
5300 ft. elev. Hillside primary forest.

3958. Athyrium ferulaceum Christ. fern.

S  
GH  
NIell  
U  
F  
Quito  
COL

cauliculate labels  
Acaulescent fern. Leaves  
pinnate, 0.5 m.

3959. Piper

COL  
GH

2

Treelet 3 m. tall.  
Spikes cream

3960. Boehmeria

?

COL  
GH  
F

3

Shrub 3 m. tall. Fls.  
yellow.

3961. Conostegia preppigii Triana Melastom.  
det Wurdach 1975

US  
GH  
S  
COL

4

Treelet 3 m. tall. Stems  
reddish. Fls. pale green.

3962.

Capparid.

GH  
S  
COL  
F

4

Gynandropsis coccinea Benth.  
Shrub 2 m. tall. Fls.  
red.

ECUADOR: PROV. NAPO.

31 miles

West of Lago Agrio on road to Balsa.  
Elev. 2100 ft.

30 July 1974. Moist hillside, primary forest.

3963.

fern

GH  
HB 4 ✓

Acaulescent fern with lvs.  
c. 1 m. long.

3964. Peperomia

GH

Fleshy epiphytic herb. Spikes  
yellowish-green.

3965. Heliconia velutina Andersson

U-2 ✓

det. L. Andersson 1984.

GH

Herb 2 m. tall in forest.

Bracts red. Corolla lt. green.

3966.

Rubiaceae.

GH

Shrub 1 m. tall. Bracts +  
calyx greenish white. Corolla white.

3967. Lycopodium Cernuum

4 ✓

HB  
US

5

Creeping herb with upright stems. Strobili pendant. In full sun along road.

3968. Chelonanthus uliginosus (Griseb.) Gilg  
det R. Weaver 1971

GH  
COL  
S

3

Roadside herb to 1 m. tall in sun. Fls. blue violet.

Gramineae

US 3969. Pariana sp.

1

Culms 1 m. tall; in dense forest.

3970. Cephaelis killipii Standl.

Rubiac.

6

det. D. Simpson 1976.

Shrub 3 m. tall.

Fls. pale yellow. Frs. orange, shiny.

3970A Costus

line only.

Herb. 7 m.

= Sherich 2567. Ex hort.

Herb. Spec. → F. U.

COL  
US  
F

GH  
S

[P]

3971. Leandra arifigera (Naud.) Cogn. Melastomat.  
US 4 ✓ det. Wurdach 1975. (Inflor. Abnormal)  
GH  
COL  
U Shrub 2 m. tall. Fvs. pale green,  
white at maturity.

3972. Ossaea macrophylla (Benth.) Triana Melastom.  
US 2 ✓ det. Wurdach 1975  
GH Shrub 2 m. tall. Fls. white.

3973. Cephaelis tomentosa (Aubl.) Vahl  
GH 4 det D. Simpson 1976.  
COL Shrub 1.5 m. tall. Bracts  
F red-orange. Corolla pale yellow.  
S Frs. blue.

3974. Cyathea caracasana (Kl.) Domin Cyatheaceae  
Live- 8 var. caracasana  
TRYON Tree fern in forest 5 m.  
GH US tall. det. R. Tryon 1987.  
HB  
COL S

Drymonia umecta Wiehler ined.  
3975. det. H. Wiehler 75

Vine 1 m. tall. Infl. cauliflorous  
65 cm off ground. Bracts rose pink. Calyx  
near white. Fvs. creamy white.

3976. Cestrum

GH  
S

2

Shrub 1.0 m. tall in forest. Frs. 2 seeded, light purple.

3977. Thelypteris Leprieurii (Hook.) Tryon fern.

GH  
HB  
S

3 ✓

Var. Leprieurii

det. Alan Smith 1983

Terrestrial fern on steep hillside in forest.

3978.  
2 ✓

GH  
HB

fern.

Fern on steep hillside in forest.

→ Chlorospatha longipoda (Krause) Madison det. M.M. 1981.

3979. Caladium plowmanii Madison ~~Araceae~~

Live TEL

Phytologia 35: 104. 1976. TYPE t. 1.

GH - Holotype

Rhizomatous terrestrial

herb. Spathe yellow-green. Spadix white.

F cult  
p ↓

B

MO

Live → PTBG  
Succ  
NYBG

York Merrill  
David Bennett



3980. Polypodium

GH 2  
S

Fern on steep hillside.

3981.

3

fer.

GH  
HB  
S

Terrestrial fern on hillside  
in forest. Lvs. ternate.

3982. Botbitis Diplazium pinnatifidum Kze.

Live  
GH TRYON 4

det. Ollgaard

Terrestrial fern.

COL  
S

3983. Faramea harmsiana Standl.

Rubiaceae

GH  
F  
S

3

det. D. Simpson 1976.

Shrub 1.5 m. tall. Frs.  
dark blue-violet.

Connaraceae

3984.

GH  
S

2

Tree 5 m. tall, unbranched,  
4 cm DBH. Infl. corymbose, cream.  
Lvs. pinnately compound, large.

GH  
F  
COL

3985. Psychotria macrophylla R. & P. Rubiaco.

3

Shrub 1.5 m. Fls. creamy  
white. FRS. red.

3986. Piper

3

Treelet 3 m. tall. Spikes  
creamy white.

3987. Salaziniella

GH Live-tray

S

2 ✓

Erect herb. Foliage  
yellowish green.

3988

TRICHOMANES ELEGANS L.C. RICH. <sup>Hymenophyll.</sup> Fern

DET. D.B. LELLINGER 1989

GH Live-tray

3

US

AB

Fern caespitose, terrestrial.  
Lvs. bluish green.

3989.

Fern

Live-tray

GH

3

S

Terrestrial fern. Lvs.  
bluish-green



Ecuador: Prov. Napo.

on road to Baños

26 mi. west of Lago Agrio Elw. 1900 ft.

300 July 1974

Atopynaceae

3990.

Mandevilla

GH  
S  
COL

3

Vine in cut over swamp area along pipeline. Milky latex in stems. Corolla white beneath, pink above.

det. J. Zarucchi 1977

3991. Solanum

GH  
S  
BIRM

2

Shrub 1.5 m. tall. Fls. creamy white.

3992. Heliconia hirsuta L.f.

u  
GH

2

det. L. Andersson 1984

Herb 1.5-2 m. tall. Bracts red. Corolla yellowish. Forest margin.

3993. Leandra secunda (Don) Cogn. Melastomataceae

GH  
1

det Wurdack 1975

Subshrub 1 m. tall. Fls. creamy. Frs. pale green.

GH 3994- Xiphidium Halmad.  
1  
Equiset herb. Fls. white

F 3995. Gonzalagunia bunchosoides <sup>Standl.</sup>  
det D. Simpson 1976.  
Shrub 2 m. tall. Fls.  
white. Foss. red.

3996. Piper  
1  
Shrub 1.5 m. Spikes  
brownish.

3997. Heliconia stricta Huber  
2 ✓ det. L. Andersson 1981.

U. GH  
Herb 1-2 m. tall.  
Bracts red-orange,  
cream to greenish on  
keel + margin. Corolla  
green, yellow at apex.

3998. Calathea laetevirens Huber Merent  
det. H. Kennedy 1986.

Live to Helen  
HIC(F) 2 ✓  
CPH

Herb c. 1 m. tall. Infl.  
bracts brownish. Corolla  
dull cream.

3999. Costus asplundii (Mazz) Maes Singib.

U. 2 ✓  
CPH

Herb 2-3 m. tall.  
white, pink towards apex.  
Calyx red. Bracts red  
below, green tipped.

Ecuador: Prov. Napo.

Lago Agrio. Elev. 1480 ft.

30 July

30 July 19

4000. Brouffelsia grandiflora D. Don.

3

Live-TEL

S  
QUITO  
CPH

Cult. shrub 1 m. tall in  
garden. Fls. bright violet.

(X)

Ecuador: Prov. Napo. Canton  
Putumayo. Rio Aguasico.  
Dureno c. 1500 ft. elev.  
Aug 1974.

Wet primary forest near village.

4001. Psychotria macrophylla R. & P. subsp.

3 alba costata (Rusby) Steyerl.

creams white

Shrub 2 m. tall. Fls.

Frs. pale yellow-green.

det. D. Simpson 1976.

dimorphica Macbride

4002. Clidemia

Melastom.

4 ✓ det. J. Wurdack 1975

Shrub 2.5 m. tall. Frs.

red, turning dark purple-  
black at maturity.

4003. Chamaedorea sp.

Palme

GH 1

det. H. S. Moore Jr.

Treelet 2 m. tall. Frs. br.

orange.

4004. Neea

2

Shrub 2 m. tall - Infl.

pendant. Recluse + corolla bright  
pink.

GH  
F  
S

US  
COL  
S  
GH

4005. Solenum

Solen.

4

Cuttings

TEL

W. K

MO

Col

GH

Shrub with few erect branches.  
Lvs. dark green above; bright  
purple beneath. Fls. brownish  
yellow; Anthers br. yellow-orange.

(= 7332) Cult. ~~Harvard Forest~~  
U. Chi.

4006. Calathea cf. micans

Marant

11/11

GH

Herb. Bracts dark brown.  
Frs. dark brownish green.

4007. Guzmania ophthalmica R.E. Schult.

3

GH

S

COL

Vine, high climbing in treetops.  
Infl. cauliflorous.  
Fls. bright orange.  
Foliage from seedling plants.

4008. (Clidemia procumbens Gleason Melastom.

US

3

GH

S

det. Wurdach 1975

Shrub 2 m. tall. Rachis deep  
pink. Frs. bright pink, lavender-blue  
at maturity.

409. Anthurium aureum Engl. Arac.  
(2) det. T. Croat 1980.

Climbing epiphyte on tree  
trunks. Peduncle dark  
purple brown. Spathe light  
green. Spadix creamy white.

GH 4010.  
3

Malvaceae

Shrub 20-50 cm. high.  
Fls. white. Seeds armed for  
dispersal.

4011.

Diolena pluviialis Wundack  
det. Wundack 1975.

US 8  
GH needs one Terrestrial herb to 30 cm  
high. Fls. white.

4012. Pilea

Urtic.

Fleshy herb on fallen tree  
trunk. Infl. creamy white.



4013. Anthurium kunthii Poepp. Arac.  
GH (1) det. Madison 1979.

Climbing epiphyte. Lvs. palmately  
compound. Peduncle lt. green.  
Spathe yellow-green. Spadix  
lt. brown.

us 6 ✓ 4014. Cryptochloa unispiculata <sup>Soderstrom</sup> Gramineae  
GH det Soderstrom 1975  
S Herb in caespitose clump on  
F ground. det. T. Soderstrom 1982.  
COL

us 2 ✓ 4015. Justicia hygrobia Leonard Acanth.  
GH det D. W. Stebbins 1975  
Herb 40 cm tall. Fls. violet.

4016. Siparuna Monim.

GH 4  
S Treelet 3 m. tall. Frs. red.  
COL Fls. creamy yellow.  
F

GH  
HB  
U Live-TRON  
US 4 ✓ ELAPHOGLOSSUM fer  
Epiphyte on tree trunk.  
Lvs. yellowish green.

GH  
BIRM 2 4018. Solanum  
Unbranched shrub 2 m.  
tall. Corolla <sup>lobes</sup> brownish green with  
white margin. Anthers dimorphic, lt. yellow.

GH  
F 2 4019. Neea ?  
det D. Simpson 1976.  
Shrub 2 m. tall. Corolla  
pale creamy-yellow. Frs. green.

Live TEL 5 ✓ 4020. Ruellia colorata Baill. Acanthace.  
det D. Wasshausen 1975.  
US Shrub 2 m. tall. Bracts  
S bright red. Corolla <sup>red-orange</sup>  
GH yellow within tube. Filament <sup>red-orange</sup>.

GH  
S 2 4021. Anthurium  
Terrestrial herb. Spathe lt.  
green. Sp. x Creamy yellow.

Rubiac

4022. *Psychotris*

GH

Shrub 1.5 m. Bracts dark  
red.

4023. *Ischnosiphon cerotus Loesn.*

2✓

var.?

GH  
COL Shrub 3 m. tall. Sheathe  
with golden hairs. Lvs. dark  
green above, purplish pale  
green beneath. Bracts green.  
Fls. yellow.

4024. *Piper bellidifolium Yuncker*

3

det. R. Colley 1982.

GH  
F  
S Shrub 2 m. tall. Peduncles  
green. Spike yellow green.

4025.  
1

fer.

VS

Climbing fern on tree trunk.

Prov. Napo:

Dureno. same data

4026. Geonoma sp.

Pilum

†

BH

GH

det H. E. Moore Jr.

Acaulescent? Spadix

Red.

4027. Pharus latifolius L.

Gramineae

GH

(2) ✓

Capitulum grass. Infl.  
dark brown.

4028. Calathea altissima

F  
GH

Herb 1.5 m. tall. Bracts  
scarious. Fls. pale orange.

4029.

NY  
GH

2. Cyrtarea tecunatum Barmeby + Krukoff

Vine 2 m. tall. Lvs.  
light green above, nearly  
white beneath. Frs. pale  
yellow

det Krukoff 1986.

Piper leticiænum C. DC. det. Callejas 1986(us)

GH 4030. Piper conejoanum Trell. + Funk  
F  
US  
S  
Col  
HO

b det. R. Callejas 1982

Shrub 2 m. tall. Spikes <sup>pale</sup> green.

GH 4031. Miconia paleacea Cogn. Melastom.  
F  
US  
S  
Col  
HO  
det. Wurdack 1975.

GH Shrub 2 m. tall. Rachis with  
brown scales. Frs. dark red.

GH 4032. Phytelphas?  
F  
US  
S  
Col  
HO

Palms 8 m. tall. Lvs. 4 m.  
long. Frs. dark brown.

GH 4033. Chamaedorea integrifolia (Trail) <sup>Damm.</sup>  
F  
US  
S  
Col  
HO  
det H. E. Moore Jr.

✓ caulescent 2 m. Spadix  
white; Fls. black.

GH 4034. Begonia rossmaniae A. DC.  
F  
US  
S  
Col  
HO  
det LB Smith 1976

✓ Scrambling herb 2 m. tall.  
Rachis + fls. red-orange.

Drymonia umecta Wiehler  
4035. det H. Wiehler Gärnerend.  
(4) 73

Selby ✓ Tree 5 m. tall with  
spreading branches.  
Bracts rose-pink. Fls.  
dull yellow. Infl. mucila-  
ginous.

4036. Centropogon colombiensis Wimmer.  
3 det. S. Jesselson 1978.

GH  
S  
Col

Shrub 2 m. tall in  
small clearing. Calyx  
dark green. Fls. red-orange.

4037. PHILODENDRON CF. PAXIANUM KRAUSE

Live - TEL  
MMad.  
GH (1)

Climbing epiphyte 4 m. tall.  
Spadix brown.  
SEL # 58-75-25

4038. Piper phytolaccifolium Opiz. vel sp. aff.  
2 nearly det. W. Burger 1981.

GH  
F

Unbranched shrub 2 m.  
tall. Spike pale green.

Drymonia albolanata Wiehler

4039. ~~Drymonia plowmanii~~ Wiehler General  
(3)✓ det H. Wiehler 7581

Live TEL

Selly

DBN

GH

COL

Epiphytic shrub 2 m. tall on fallen tree trunk. Lvs. shiny green above, white toment beneath with red nerves. Bracts + calyx light yellow green. Corolla pale yellow. Fr. green.

4040. Swarthia

GH  
US

3

Tree 10 m. tall with spreading branches. Frs. bright orange.

4041.

Fern

✓2

Epiphytic with pendant 2 m. fronds.

4042. Thelypteris serrata (Cav.) Alston

Terrestrial fern on stump in swamp. Petiole ~ 1 m. long.

det. Alan Smith 1983. D.B. LELLINGER 1989

GH

HD

US

S

live to Helen  
HK  
GH  
U  
7043. Calathea <sup>lagogriana Kennedy</sup> sp. nov. Sect. Comosae  
(5) ✓ Herb 1 m. tall. Bracts  
reddish brown. Fls. pale  
lavender.

live to Helen  
GH  
1 ✓ Herb 1 m. tall. Bracts  
purple-green, Fls. pure  
white

GH  
1  
7045. Philodendron  
Epiphyte on tree trunk.  
Odor of carrot. Lvs. coriaceous.  
Spathe dull cream.

F  
GH  
4  
7046. Psychotria macrophylla R. & P.  
subsp. macrophylla det D. Simpson 1978  
Shrub 2 m. tall. Rachis  
& stem black-green. Fls. + fruits  
pure white.



4047. Aechmea woronowii Harms Bromeliad.  
(2) ✓ det L.B. Smith 1975  
US Large fan epiphyte on fallen  
GH tree trunk. Lvs. light yellow green.  
Bracts & rachis bright pink. Pedicel  
~~to~~ pink. Ovary pink below,  
white above. Petals pale yellow.

4048. Anthurium  
(1)  
GH Rosette epiphyte on fallen log in  
swamp. full sun. Spathe light  
green with shade of purple-brown  
in center. Spadix deep purple-brown.

4049. Anthurium  
(1)  
GH Epiphyte. Spathe lt. green Spadix  
brownish. Lvs. coriaceous.

Cepotroche longifolia (Poeppig) Benth.

4050.

det. Sleumer 1980.

GH

3

S

COL

Unbranched tree 5 m tall.

Frs. cauliflorous, near  
base, white.

4051.

fern.

GH

3 ✓

HB

Terrestrial fern.

S

Ecuador: Prov. Napo.

GH  
U

Duren. Environs of Village Aug 1, 1974

COL 4052. Calathea allouia (Aubl.) Lindl.

(5) ✓  
live to

Helen  
TEL  
Hick (A)

Herb 1 m. tall. Fls. white.  
Bracts light green, tipped white.  
Cultivated.

4053. Boerhaavia grandiflora D. Don

live TEL

GH

S

F-cult. wobburn → cuttings Lyon Arb.  
live plant → HLA

Shrub 1 m. tall in shade. Cult.  
Calyx purple brown. Corolla pale  
violet, white at center. Lvs. rubbery.

710221

4054. Capsicum chinense Jacq.

seed 3) ✓  
B. Pickersgill

det B. Pickersgill

RNG

MU

ECON

Cult. shrub 1.5 m. tall. FRs.  
subglobose, br. red.

4055. Capsicum chinense Jacq.

(5) ✓  
seed B. Pickersgill

det B. Pickersgill

Shrub 2 m. tall cultivated  
FRs. yellow orange, oblong-ovoid,  
decurvate.

RNG

MU

COL

ECON

4.56. Cestrum  
GH 1

Shrub to 1 m. tall along  
trail. Frs. greenish yellow.  
Fr. green. In sun.

S  
live TEL  
GH 2  
4.57. Ilex guayana

Tree with many branches.  
Spherical.

IND  
ECON  
seed  
BTH K  
live  
WINTER  
1981!  
4.58. Solanum hirsutissimum Standl.  
3 det C. Heiser 1975 Calyx + corolla  
Spring shrub 1.5 m. tall. Fls. +  
white. Fruits oblong bright  
orange. Cultivated.

BIRM  
GH  
MO  
4.59. Solanum  
3

Cult. shrub 2 m. tall.  
Lvs. green above, bronze  
beneath. Corolla greenish  
white.

Parakohleria sp.

4060.

Selby 2 ✓ det H. Wichtl 75  
GH Herb 1.0 m. tall on hillside  
in forest. Corolla br. red

4061. Besleria modica Morton

Selby 2 ✓ det H. Wichtl 75  
GH Subshrub 1.5 m. tall. Corolla  
lt. yellow-orange.

= Brugmansia x insignis (Berb. Rodr.) Lockwood ex Plowman

4062. Brugmansia suaveolens (H. & B. ex Willd.)  
Berb. & Presl

GH 3  
K Shrub 1-2 m. tall. Corolla  
QUITO deep salmon pink at maturity.  
fotos

4063. Acalypha benensis Britton

GH 3 det Q.L. Webster 1975  
DAV Shrub 2-3 m. tall. Infl. lt green.  
3 Stigmas red.

4064. Witheringia Solanacea L'Herit.

GH (1) Herb 1 m. tall. Corolla yellow  
det A. Hunziker 1976.

4065. Cyphomandra

B

no  
GH

K Treelet 3 m. tall. Young  
stem leaves pinnately lobed.  
Adult lvs. entire. Fls. yellowish  
green.

4066.

Not Apoc!

GH

1

Vine 3 m. long in thicket.  
Infl. yellowish green. Cult.?

4067. Arthrostema ciliatum R. + P. Melastom.

4 ✓

det Wurdack 1975

sens. lat.

US  
GH  
S  
COL

Scandent shrub on river  
bank. Petals magenta pink.

4068. Heliconia rostrata R. + P.

1

det Gil Daniels '76.

U.  
GH

Herb at edge of swamp. Bracts  
red, yellow at <sup>lower</sup> ~~upper~~ margin.  
with green edge. Fls. dull yellow.  
Infl. pendant.

4069. Solanum stramonifolium Jacq.

seed 3

det M. Nee 1976.

GH  
MO  
8077 K Spineless shrub 1.5 m. tall,  
cult. Lvs. dark green above,  
purplish beneath. Buds purple.  
Petals white at anthesis. Frs. dark  
green, orange at maturity, edible.

GH 4070 Thelypteris OPULENTA (KAULF.) fern  
DET. D.B. LELLINGER 1989 FOSB.

Terrestrial fern in thicket.  
Full sun.

4071. Psychotria sp. aff. P. polyphlebia Rubize.  
3 Fleshy Donn.-Smith det D. Simpson 1976

GH  
F Subshrub to 1/2 m. tall in forest.  
Frs. red-orange.

4072. Miconia paleacea Cogn. Melastom.

US 3

GH  
COL

Shrubs 2-3 m. tall. Frs. lt. purple.  
det Wurdock 1970

GH

4073 Psychotria

Shrub 2 m. tall. Frs. dull-orange.

GH  
F  
col

4074. Piper aequale Vahl

4 det. R. Callejas 1982

Shrub 2 m. tall. Spikes dull white to yellowish.

Tococa, Caquetana Sprague

det Wunderlich 1975

Gth

4075  
1

Shrub 1.5 m. tall. Frs. bright red.

- 4076. Geogenanthus? sp. nov. Commelinac.

live to  
Tel

U.  
US  
GH

(4)

Fleshy terrestrial herb.  
Calyx purplish. Corolla pale blue.

COL

4077. Philodendron  
Epiphyte.

Gth



4078 Aristolochia

GH 2  
S

Woody vine flowers  
green with mottled purple  
mottled brown

---

Labels Made 4079 through 4188.

4079.

(2)

Thelypteris torresiana

(Gaud.) Alston

fern

Live to  
Adgson

Terrestrial fern with  
pinnate fronds 1 m. long.

In sand along river bank.  
det. MTM.

4079-A

Calathea

Live to  
Helen

subgen. Microcephalae

Herb in primary forest  
along Rio Aguarico, half way  
between Dureno and Lago  
Agrio. Lvs. dark green above,  
pale grey green strip along midrib;  
dark <sup>red</sup> purple underneath.  
Peduncle & bracts light green.  
Fls. pure white.

GH (A)  
HKL

ECUADOR: PROVINCIA NAPO.

CANTON

Enrions of Lago Agrio. Elev. c.

1500 ft.

5 Aug 1974.

Coll. by Dr. Herklots

4080. Mucuna cf. sloanei Fawcett + Rendle  
(2)✓

COL

GH

Vine in swampy 2<sup>o</sup> thicket  
along road. 5 m. long.  
Inf. pendant. Banner + wings  
dull yellow toward base,  
ped orange near tip; keel  
dull yellow. Calyx dull light  
green.

4081. Gurania cf. vaupesana Cuatr.  
(1)✓

COL

Vine along roadside.  
Fls. bright orange.

4082. Brownea ariza Benth.  
(3)✓

GH

COL

S

Tree 6 m. tall along road  
in cut over forest. Pedicels

calyx full orange. Corolla  
bright red-orange. Filaments  
cream below, red-orange near  
tips.

Drymonia unecta Wiehler ined.

4083. ~~Alloplectus cf. semicordata Poepp. & Endl.~~

(3) ✓ det Wiehler 1975

COL  
Selly  
GTH

Shrub in rotten fencepost.  
Bracts crimson red. Corolla  
~~the~~ yellow with dark maroon  
spots on lip.

4084. Pelliflora foetida

(2) ✓

COL  
GTH

Herbaceous vine. Fls.  
light blue.

4085.

(3) ✓

COL  
S  
GTH

Herbaceous vine. Fls. white.

Asclepiac.

Km. 5-6.

4086.

(2) ✓

Macropharynx spectabilis (Stadela.)  
Apocynaceae Woodson

COL  
GH

Vine in swamp along  
road 3 m. tall. Fls. pure  
white.

det. J. Zarucchi 1978

4087. Securidaca cf. amazonica Chod.

(2) ✓

GH  
COL

Vine in swamp along  
road. Fls. pale magenta.

Cissus sicyoides L.

4088.

(3) ✓

GH  
S  
COL

Vitaceae

Herbaceous vine with fleshy  
stem. Fls. dull yellow

4089. Glycophyllum.

(3) ✓

GH  
COL  
S

cf. pedunculatum Cucurb.  
Kerst. et Triana

Herbaceous vine. Calyx light  
green in bud.

6780

ECUADOR = PROV. NAPO.

5720 ft. Km. 96 from Lago Agrio.

8 Aug 1974.

4090. Psammisia? ulbrichiana Herold

(4) ✓ det. J. Luteyn 1976.

COL

GH

F

US

S

Shrub in open wet place along  
road, 2 m. tall. Peduncle + calyx  
carmine red. Corolla light  
red in lower 2/3, white above.

4091. Equisetum MYRIOCHAETUM SCHLECHT. &

GH (6)

DET. D.B. LELLINGER 1989

CHAM.

COL

S

US

Rhizomatous herb on wet open  
roadcut.

4092. Epidendrum

(2)

GH

COL

Epiphyte. Fls. light brown.

4093. Saurauia crassipetala Soejarto

F (3) ✓

det. Soejarto 1982.

COL

GH

Shrub 2 m. Petals white.

4094. *Dieffenbachia*

GH

(1) ✓

COL

Swampy place along road.  
Herb 1 m. tall. Frs. bright  
red-orange.

4095. *Gunnera*

(4) ✓

GH

COL

S

US

Herb on road cut.  
~~Petal~~ Petiole 0.5 m. long. Blade  
~ 0.8 m. diameter. Frs.  
pale orange.

4096. *Miconia calvescens* DC.

GH

COL

US

S

U

(5)

det Wurdack 1975

5

needs  
2

Tree 4 m. tall. Rachis  
deep red. Frs. pink turning  
dark blue-black at maturity.

*Graffenrieda cucullata* (Don) L. Winkl.

4097. *Euclea* det Wurdack Melastom  
1975

(2)

GH

COL

US

Tree 5 m. on hillside.  
Buds lt-green.

4098

GH (3)

COL ✓

F

Quettarda ochreata Schlecht.  
det. D. Simpson, 1976.

Tree 4 m. on steep hillside  
Buds pale yellow.

4099 Tococa platyphylla Benth. Melastom.  
GH (1) det Wurdack 1975

Shrub 2 m. Calyx + fruits  
deep pink. Corolla pale pink.

4100

(3)

COL  
Selby

Epiphytic herb on branches.

4101. Geonoma cf. undata Kl. Pteleo  
(10) det H.E. Moore Jr.

COL 6 ✓ Palm 6 m. tall. Lvs. pinnate.  
BH Infl. axis + spikes deep reddish  
V purple.

GH

US

S

Quito

Ecuador: Prov. Pichincha.  
1 km. S from border with Napo.  
11500 ft. elev.

4102. Eupatorium  
(4) "matico"

Shrub 1 m. tall. Fls. deep  
pink to purplish.

use

4103 - Gynoxys hallii Hieron.

(3)

det. H. Robinson 1979.

Shrub 1.5 m. tall. Fls. bright  
yellow; disc golden yellow.

4104. Passiflora cumbalensis (Karst.)  
Harms

(2)

Herbaceous vine. Calyx & dark  
green with lt. green veins; Corolla  
tube light green. Calyx + Corolla  
pink. Corona white with deep  
purple ring surrounded by white



Spots. Anthers yellow. Stigmas green.

Ecuador: Prov. IMBABURRA  
IBARRA. 10 Aug 74

4105. N. candra

GH (2)

GL ✓ Herb 0.5 m tall. Fls. light blue.  
Weed in houseyard.

4106. Solanum.

(2)

COL ✓ Vine 2 m. long, creeping on  
GH ground. Fls. bluish white. Weed  
in houseyard.

COLOMBIA: NARIÑO.

PASTO. 11 August 1974.

4107. Erythroxylum n

Coca leaves purchased  
in market. Origin unknown.  
4 pesos, small bag.

4108. Erythroxylum

Coca leaves purchased  
in market. Origin: Cauca.  
20 pesos, 2 batches, about  
1 oz. each.

CAUCA: SILVIA. 13 Aug 1974.

4109. Erythroxylum novogranatense

Coca leaves purchased  
in market from herb  
dealer (under the counter).  
Price: 7 pesos a bag (c. 1 oz).  
3 bags =  $\frac{1}{2}$  lb. = 21 pesos.

COLOMBIA: DEPTO. CAUCA.

SILVIA. Elev.

Environ of town, road to Totoró.

13 Aug 1974.

4110. Fuchsia hartwegii Benth.

(1)

COL

Shrub 1 m. on hillside.  
Fls. orange-red.

4111. Ichroma fuchsoides (HBK.) Miers

(2)

COL

GH

Treelet 3 m. Fls. red.

COLOMBIA: DEPT. CAUCA.  
Road Totoró to Inzá,  
km. 32. Elev. 9000 ft.  
13 Aug 74

GH  
MO  
COL  
BIRM  
F  
US

4112. *Bougainvillea sanguinea*  
(8) *ssp. vulcanicola*

Shrub 1-2 m. tall on  
roadbank, about 10 in pop-  
ulation. Calyx bright  
green or bronzed. Corolla  
bright red-orange in bud,  
deep salmon red in flower,  
~~inter~~ with pale yellowish-  
cream stripes. Lobes pale  
creamy yellow.

- GH (1) *Tibouchina grossa* (L.f.) Cogn.  
det Wurdack 1975.  
Shrub 1 m. tall. Petals  
deep red.

4114. *Oenothera multicaulis* R. & P.  
(2)

COL Herb. on roadbank. Petals  
deep red with yellow margin.

4115. Calceolaria colombiana Pennell

(4)

COL  
GHT  
U  
US

Herb to 1 m. tall. Fls. bright yellow.

4116. Dioscorea

GHT(3)  
COL  
U

Herbaceous vine 3 m. tall.  
Fls. dull yellow.

4117. Palicourea <sup>2</sup>

GHT  
COL  
F  
U

(5)

Tree 3 m. tall. Rachis <sup>+ calyx</sup> blue-black. Corolla <sup>W2x4</sup> light blue-violet.  
Frs. green.

Lobel,

4118. ~~Lobelia~~ Siphocampylus giganteus G. Don  
det. B. Steier 1985.

(1)

COL

foto

Herb 3 m. Petiole dark red-purple. Calyx dark green-purple. Corolla pink without, white within.

COL

4119.  
(1)

Ericac.

Shrubs 1 m. tall. Fls.  
red.

4120. Spiranthes  
(1)

Herb on roadside. Fls.  
white. Bracts & green.

COL  
GH  
F  
S

4121. Muhlenbeckia

Polygonac.

(5) tenuifolia (HBK.) Meisn.

Woody vine 3 m. tall in  
shrubs. Fls. pale green.

det. R. A. Howard

~~4122. Tam~~

1984.

COLOMBIA: Depto. Cauca.  
Road Totoró to Inza.  
Km. 38.  
Elev. 9500 ft.

4122. Tournefortia

GH (4)  
COL  
S

Tree 5 m. tall in field.  
Fls. white, fragrant. Frs.  
white at maturity.

4123. Fuchsia canescens Benth.

GH (3)  
COL  
MO

Scandent shrub 2 m.  
tall. Fls. bright red.

Duranta mandoni Moldenke

4124. Duranta caviacea Hayek

Verbenaceae

(3)

det Moldenke 1975

COL  
NY

Shiny branched shrub  
3 m. tall. Fls. pale lavender.  
Frs. green; calyx yellow in  
fruit.

COLOMBIA: DEPTO. CAUCA.  
Road Totoró to Inzá,  
Km. 47. 10000 ft. Elev.  
13 Aug 1974.

GH  
COL  
U  
F  
4125. Gunnera

(5)

Herb on roadsides. Spikes  
reddish.

GH  
4126. Phytolacca

(1)

Rosette herb with long  
taproot. Rachis + fls. bright  
magenta. Frs. purple.

GH  
COL  
US  
4127. Espeletia

(3)

Caulescent herb in flat  
open place. Rays bright  
yellow. Disc <sup>golden</sup> brown.

~~4128.~~

~~4129.~~



Colombia:

Road Totorá to Inzá.

Km. 61.

Elev. 9000 ft.

det H. Wiehler 1975

Pentadenia strigosa (Benth.) Howst.

4128- Columnnea aurantiacum Dcne. Gesneriad.  
(3) ~~Poepp & Endl~~

COL  
Selby

Herb on steep banks to 1 m.  
tall. Corolla bright orange.

4129- Spiranthes  
(1)

Ames

Terrestrial. Fls. dark orange  
(rusty).

4130. Ellanthus? aurantiacus R.f.

(2)

COL

Ames

Terrestrial herb to 0.5 m.  
long. Fls. orange.

4131. Solanum

BIRM (2)

COL

GH

Shrub 2 m. tall. Frs. orange.  
Roadcut.

GL 4132. Palicourea Rubiac.  
GH (3)  
F Shrub 2 m. on steep bank.  
FRS. dark blue-green.

COL 4133. Bomarea  
(1)  
Vine. Fls. red-orange.

GH 4134. Jamesonia verticalis Kunze Fern  
COL (4) det. M.T. Murillo 1974  
U On steep bank under  
US shrubs. Fronds pendant.

GH 4135. GLEICHENIA REVOLUTA H.B.K.  
COL (4) DET. D.B. LELLINGER 1989  
US Branching fern on  
U road bank, scandent.

4136. Thelypteris fern  
(3) Terrestrial acaulescent  
fern. Fronds 1.5 m.

4137. Lophosoria quadripinnata (Gmelin) C. Chr.  
(8) det C.E. Acosta-Arteaga

GH  
COL  
MICIT  
US  
Tree fern with short trunk  
2 ft. long on steep bank.  
FRonds 11.5 m.

4138. CYATHEA

fern

GH (8)  
COL  
US  
HB  
U  
Tree fern with trunk 1.5  
m. tall. Fronds c. 1 m. long.

4139. Siphocampylus retrosus

Campacul.

(4) (Willd.) Votke

COL  
GH  
US  
U  
Scandent shrub on steep  
banks, 1.5 m. tall. Fls. deep  
red. det. B.A. Steinh 1986.

COLOMBIA: Dept. Cauca. Road Totorá-Inzá.

Km. 81.

7200 ft. elevation.

4140. Brugmansia aurea Lagerheim  
(2)

COL  
US  
Treelet on roadside, 3 m.  
Fls. pendant, white, fragrant.

Colombia: Dept. Cauca.  
Inzá. 6500 ft. 14 Aug

4141

~~4141~~ Brymansia aurea Lagerheim  
(2)

(COL) only

Shrub or treelet in wet  
ravine. Fls. pale yellow.  
No frs.

4142. Brymansia aurea Lagerheim  
(1)

(COL)

Treelet 3 m. tall in wet  
ravine. Fls. pure white  
fragrant. Fruits dark brown,  
with silk caterpillars, predating  
inner fruit wall but not seeds.

~~4142A.~~

4142A.

F

Larvae in mesocarp of fruits  
of 4142.

COLOMBIA: Depto. Huila

4400 ft. Elev. Km. 82.

Houseyard 14 Aug 74.

4143. Passiflora

(3)

Cult.

Extensive herbaceous vine.

COL  
Gilt

Bracts light green. Calyx  
& corolla light green with  
red-purple spots. Corona  
-banded deep red and white,  
purple tipped. Ovary & filaments  
pale green. Fks. still green.

4144. Erythroxylum hirsutum (Morris)

(5)

Hieron.

Cult. shrub 1.5 m. tall. Bark  
reddish-brown. Lvs. Bright green  
above, yellowish when young,  
pale green beneath with  
2 distinct lines. Fls.  
creamy white.

COL  
ECON  
US  
F

Colombia: Depto. Huila.  
 5 km. from San Agustín  
 on road to Pitalito.  
 Elev. 5000 ft. 14 Aug 77.

4145. Becleria

(1)

COL

Herb on hillside. Fls.  
 red.

4146. Triumfetta mollissima HBK.

(4)

"Codilla"

GH  
 COL  
 US  
 P

Suffrutescent herb 1 m.  
 tall with spreading branches.  
 Fls. bright yellow.

4147. Hackelochloa granulifera Gramin.

(3)

(L.) Kuntze det Soderstrom 1975  
 grass, with reddish leaves;

us  
 COL  
 GH  
 U

4148. Eryngium ebracteatum Lam.

(5)

det. T. Plowman 1976.

Herb to 2 m tall. Infl.  
 dark purple.

GH  
 GL  
 EA  
 US  
 U

us (4)  
COL  
G-H  
4149. Hyparrhenia rufa (Nees) Stapf grass.  
det Soderstrom 1971  
Tall forage grass on hillside

G-H  
COL  
US  
MICIT  
U  
F  
S  
4150. Sphaeropteris elongata (Hook.) Tryon Tree fern  
det. B. Øllgaard  
Tree fern on hillside 2 m.  
tall. Fronds c. 2 m. long.

COLOMBIA: Depto. Huila.  
San Agustín, 15 Aug 74.

4151. Erythroxylum norgranatense  
ECON

leaves purchased for 15 pesos  
from SR. Luis Tello;

Small leaved form of E. norgranatense.  
Supposedly from Cauca.

16 Aug 74

4151-A. Erythroxylum  
ECON

Coca leaves bought in  
San Agustín.

ECON  
COL  
US  
F

4152. Erythroxylum nogo-grandense  
(4) "coca"

Shrub 3 m. tall with  
trunk 10 cm. diameter.  
Much branched above,  
the branchlets arching  
over.

= 6179 → SE Lvs. bright yellow green  
above, pale green beneath.  
2 lines visible on both  
sides, prominent beneath.  
Fl. buds creamy yellow,  
Frs. dull red at maturity.

Lvs. dense, near branch  
tips. plant in need of prun-  
ing, not vigorously growing.

4153. Aloysia triphylla (L'Her.) Britt. Verbenaceae  
(3) "cedron"

COL  
F  
ECON

Aromatic shrub 3 m.  
tall. Odor of lemongrass,  
Fls. pale lavender.



Colombia: Depto. ~~Quindío~~ Huila.  
San Agustín. Road to El Estrecho  
16 Aug 74

4154. Anthurium

- GH (4) Terrestrial herb. Petiole 1.-1.5 m.  
COL long, blade 0.8 m. Spadix  
U olive green without, dull pink  
within with lt. green veins.  
Spadix dark blackish brown,  
becoming chestnut brown.

4155. Phoradendron cf. obliquum Loranthaceae

- GH (8) Eichl. det. J. Kuijt, Apr 1983.  
COL P Parasitic shrub, very coriaceous  
US lt. green lvs. Infls. golden yellow.  
U  
F

4156. Scaevola pulchra Sprengel

(2) det. Saper to 1982

- COL Treelet 4 m. tall. Midvein  
F red, lvs. blade green. Petals white.

4156A Salvia

Labiatae

- GH (2) Roadside herb. Fls. blue-violet  
COL to pink

4157. *Viburnum*  
(2)

Caprifol?

COL

Shrubs 3 m. in understory.  
Fls. blue-black.

4158. *Toxicodendron striatum* (R+P) Kuntze  
(6)

GH  
OL(2)  
F  
U

Shrubs 3 m. tall. Buds  
lt. yellow. Fruits white.  
Red in white, turning black.

4159.  
(2)

Orchidaceae.

Fraser  
COL

Terrestrial purple stem +  
scape. Corolla cream.  
Column salmon pink.

4160. *Galactia*  
(2)

Fabaceae

GH  
COL

Vine in forest. Fruits  
dark brown.

4161. Renealmia  
(5)

Zingiberaceae

GL Herb 2 m. tall. Stem red -  
U. purple. Frs. shiny, red.  
Gtt

COLOMBIA: Depto. Huila.  
 Km. 9 from Pitalito to  
 San Agustín.  
 17 Aug 84.

4162. Begonia

(2)

GH  
 COL

Climber 3 m. tall. Fls.  
 white.

4163. Solanum jamaicense Mill.

(3)

GH  
 COL

"cerabato?" det. M. Nee 1976  
<sup>Spiny</sup> Shrub 1.5 m. with yellowish

leaves. Frs. green, turning  
 orange when ripe. Edge of pasture.

4164. Capsicum annuum L.

(6)

Pichongill

Var. glabriusculum (Dunal) Heiser

Shrub 1 m. tall in pasture.

Pediceal erect, fls. nodding.

Corolla creamy yellow. Anthers

blue. Frs. red-orange at  
 maturity, picaute.

COL  
 RUG  
 MU  
 ECON  
 IND

4165. Solanum scerifolium H. & B. ex Dun.

(5)

Spring

COL Shrub 1.5 m. tall in pasture.  
GIT Thorns purplish. Corolla <sup>pale</sup> greenish  
~~BIT~~ \* yellow; anthers br. yellow.  
Young fruits greenish white  
with dark green "veins".

4166. Juga

(4)

COL Tree 6 m. tall on edge of  
NY pasture. Calyx brown. Corolla  
GIT greenish-cream, filaments white.  
P

4167. Sapindus sapindus

(3)

GIT Tree in pasture 10 m. tall  
COL with spreading crown.  
u

4168. Fagera cf. rhodifolia

(4)

det J. Cramer 1976.

GIT Tree 5 m. at edge of pasture.  
COL Frs. verrucosa, turning red.  
US  
u

4169. Ficus cf. americana Aubl.  
(4) det Kew 1981.

COL  
GH  
K

Tree 5 m. Lvs. dark gr.  
above. Frs. lt. green. White  
milky juice.

4170. Olmedia aspera R. + P.  
(3) det. C.C. Berg 1986.

GH  
COL  
U

Small tree 4 m. tall.  
Buds lt. green. Frs. shiny  
green.

4171. Dioscorea polygonoides HBK. ex Willd.  
(4) det. F. Ayala 1986.

GH  
LS  
F  
S  
COL

Climbing herbaceous  
vine on pasture margin  
above shrubs. Fls. greenish  
yellow. Frs. green.

4172. Xanthosoma flavimaculata?  
(7)

GH  
COL

Herb in pasture; spathe  
lt. green.

4173. Duranta coriacea Hayek.

Verb.

NY (3)  
COL

det Moldenke 1975

Scandent shrub 3 m. tall.

Fls. lt. blue. Frs. br. orange.

4174.  
(5)

Flacant?

COL  
US  
P

Tree 6 m. tall. Perianth  
in fruit green abaxially,  
orange adaxially, with green  
margin.

San Agustín 18 Aug 1974.

4175. Erythroxylum novogranatense (Moris)  
(3) Hieron.

US  
COL  
ECON

Fls. <sup>light</sup> ~~pink~~ yellow. Lvs. bright  
green. Brought in by Luiz Tello.  
Shrub.

4175A- Erythroxylum

Leaves purchased in San  
Agustín. 200 pesos.

(A) F

Colombia: Huila, Rivera.

Elev. 3100 ft. 19 Aug 74

Estadero Bohio. Fuentes Termales.

4176. Erythroxylum novogenense  
(7)

Tall bush 3 m. tall. Lvs. br. green.  
Frs. bright red.

leaves chewed by old people  
in region.

COLOMBIA: DEPTO. HUILA

Road to Cerro de Neiva from  
Caguán. 3300 ft. Dry thicket along quebrada.  
19 Aug 1974

4177 Muntingia calabura L.  
(5)

~~Tiliac.~~  
Elaeocarpaceae.

Small tree 3 m. tall.  
Petals white.

4178. Aphelandra flava Nees  
(2) det. D. Wesshagen 1975

Acauthos.

Herb 1 m. tall. Bracts  
pale red-orange, tip light  
green. Corolla pale orange,  
heavily mottled with dark  
purple-brown spots.



4179. Acalypha Euphorb.  
(2)  
GIL  
COL Herb 0.7 m. tall. Frs. green.

4180. Didyptera rhombochlamys <sup>Leonard</sup> Acanthac.  
(2) det Wierschauer 1975  
COL  
GIL Herb, scandent, 1 m. long.  
Bracts pale brown. Corolla magenta.

4181. Solanum suaveolens Kunth + Bouché  
(3) det L. Child 1975  
COL  
GIL  
BIRM Herbaceous vine. Corolla  
pure white. Frs. pale green  
with dark green longitudinal  
stripes

4182. Solanum  
(3)  
COL  
GIL  
BIRM Shrub 2 m. tall. Fls. white.  
Pubescence ~~white~~ whitish.

4183. Solanum  
(4)

COL  
(TH  
BIRM  
F

Shrub 2 m. tall. Fls.  
white, rotate. Pubescence  
golden yellow.

COLOMBIA: Depto. Tolima.

Hacienda Corinto entre Melgar  
y El Carmen de Apicalá. 450 m.

(350 m.)

(1500 ft). Bosque de galeria  
a lo largo del Rio Sumapaz.  
Alluvium. 19 Aug 1974.

4184. Erythroxylum ulei O.E. Schulz

(see 3754). Shrub 1-1.5 m. tall. Lvs.

all dark green above,  
pale green beneath. Young  
leaves bright yellow green.  
Fls. small, pale creamy yellow.  
Young fruits light green.

ECON  
COL  
US  
U  
F  
S  
MO  
GH  
P  
Ny  
K  
UC  
IAW  
NCH  
DEK  
G

= Plowman 6319

Sent to PTBG 29 June 1984.

Honolulu Bot Garden 5 Dec 1985.

Colombia: D.E. Bogota.

1 Sept 74

4185. Solanum marginatum

Shrub 3 m. near  
Teleferico Station.  
Seed only.

---

Colombia: CUNDINAMARCA

1 Sept 1974

Apulo. 2100 ft. Rio Bogotá.  
near Fabrica de Cemento Samper.

4186. Aristolochia maxima Jacq.

PTBG

Zenk

Vine 5 m. high in  
thicket. Seed only.

4187. Peperomia fristachya H.B.K.

det. T. Plowman 1979.

GH  
F

(2)

Live!

Fleshy Herb on dry hillside. Spikes  
cream.

< Between La Mesa and San Vicente?

Live wainia

4188. Mediocactus coccineus (Salm Dyck) BKR.  
~~Scanthocereus~~ det Kew 77 Cactus.

GH, K (2) Cactus cult. as living fence along  
(col) road.

LABELS COMPLETE TO HERE Sept 1974

Colombia: Depto. META.

Km. ~~1700~~?

1600 ft. Elev.

5 mi. North of San Martin.

mi. 8337

14 Sept 1974.

4189. Anadenanthera

GH

1

10 m. tall.

Tree with spreading crown. In pasture. Frs. brown.

4190. ? Orbignya sp.

Palu.

45

det H.E. Moore Jr.

col

BH

GH

W

Arauculent palu along stream in forest. Infl. ex. fl. near base.

(Lvs. 4 m. long.) Frs. green.

4191. Heliconia ~~sp.~~ hirsuta L.f.

U

5

det. L. Andersson 1983.

col

F

US

GH

Herb 3 m. tall in large clump along stream. Semi-sun. Brs. orange-red to red. Pedicel & fls. lt. yellow, tipped dark brown. Ripe fr. bright blue.

4192. Gurania

1

col

GH

Climbing herbaceous vine 5 m. tall in woods. Corolla ~~yellow~~ <sup>gold</sup> Celyx red-orange. Stamens yellow.

HK

4193. Monatagana laxum (P. + E.) Koen. Marant.  
1 det HK, 1978.

Herb in forest along stream. Lvs.  
dark dull green. Fls. dull reddish  
pink (or salmon).

4194. Solanum sp. aff. tequilense Gray  
4 det A. Child 1975

Cd

GtH

BIRM

Shrub 2-3 m. tall in field.  
Very spiny. Corolla deep blue-violet.  
Anthers yellow.

4195. Spathiphyllum

2

Col

GtH

<sup>herb</sup>  
Terrestrial along stream in forest  
Spathe greenish abaxillary, white  
adaxially. Spadix lt. brown.

4196. Siparuna THECAPHORA (Poepp. & Endl.)  
5 (Det. S. Renner & G. Hausner 1996) A. DC.

F

Col

U

US

GtH

Shrub 2 m. tall in thickets.  
Fls. greenish yellow. Frs. dull red,  
aromatic.

Seeds: BIRM  
Foster Bot. Gard.  
PTBG.  
Waimala! 1981.

→  
S. GRANDIFLORUM RAP. DET. M. NEE 1989

4197. Solanum sp. aff. hurtum Vahl  
5 det. A. Child 1975

GH  
Col  
BIRM  
F  
HO

Tree 10 m. tall, with spreading crown. Corolla <sup>above</sup> deep violet, <sup>woolly beneath.</sup> FRs. globose, dull yellow-orange, to 5 cm. diameter. Edge of forest in field.

4198. Dichorisandra hexandra Commelin.  
2 det. Paul Maas (Aubl.) Standley

Col

Long scandent herbaceous vine in thicket along stream. FRs. dark purple.

4199. Erythroxylum macrophyllum Cav.

5 var. savannarum Plowman

Col  
(Koa)  
F  
U  
NY

Small tree 5 m. tall on edge of forest. Slender trunk 3 cm. thick unbranched for 2.5 m. Branchlets reddish brown, w. fl. flaking epidermis. Stipules lt. green, turning reddish brown. Leaves shiny or dull above, smooth, pale green beneath with prominent venation.

macrophyllum var. savannarum Planch.  
4200. Erythroxylum floribundum Mart.  
3

Col  
ECON  
F  
P

Tree 4 m. tall on edge of forest. Same as 4199.  
Lvs. smaller, in partial shade.

4201. Ischnosiphon arouma (Aubl.) Koern.  
1

GH

Large scandent herb in forest.  
Fls. pale red.

4202. Acrotis amazonica Cogn. Melastom.  
2 det Wurdack 1975

GH  
Col

Fleshy herb growing in running stream. Petals pale pink.

4203. Nectandra cf. pichurina Lauraceae.  
S det D. Simpson 1976.

U  
COL  
GH  
VS  
U  
F

Tree 6 m. on edge of forest.  
Fls. yellowish.

4203A - Mazaya heterantha

GH  
Col

3 Aqueous herb in fast flowing stream.  
det R. Horn 1984



Colombia: Depto. Meta. NE End of Macarena.  
 Hacienda Los Micos. 1400 ft. alt.  
 Quebrada Honda. 15 Sept 1974

4204. Cassia bacillaris L.f. var. benthamiana

5 (Macbr.) Irwin + Berneby

Tree in forest, 6 m. tall. fls. yellow.  
 det. Berneby 1978.

NY  
col  
F  
U

4205. Miconia cf. minutiflora (Bompl.) D. Melac.

4 det Wurdack 1975.

Shrub 2.5 m. tall on forest margin.

Fls. deep blue-violet.

US  
col  
GH  
U

4206. Protium

5 det GL Webster 1975

Tree 8 m. in forest. Fls. pale  
 yellow-green.

GH  
col  
DAU  
U

~~Euphorbia~~  
~~Rubiac.~~  
 Bursera?

4207. Reuealunia cernua (Sw. ex Roem. et Schult.)  
 3 <sup>macbr.</sup> Zingib.

Herb 2 m. tall. Bracts orange.  
 Perianth orange. Frs. green.

GH  
col  
U.

4208. Psychotria

1 Shrub 0.5 m. Frs. orange.

GH

4209 Calathea propinqua (P. & E.)  
Keern.

Terrestrial herb. Fls. deep  
yellow. Det. H. Kennedy 1978

4209-A Calathea altissima P. & E.  
Tall herb in forest margin.

GH

4210. Anthurium huegelii Complex

3 det Don Nicolson 76

Terrestrial herb, rosette.

Spatha pale <sup>red</sup>-violet. Spadix dark  
purple.

→ Anthurium fendleri Schott  
det. T. Croat 1983. 191

4211. Geophila herbacea (Gay.) Schum.

3

Creeping prostrate herb. Fls.  
white. Berry red-orange.

4212. Rudgea hostmanniana Benth. Rubiac.  
3 det. D. Simpson 1977.

Shrub 3 m. tall on river  
bank. Fls. bright red-orange.  
Lvs. <sup>thick</sup> coriaceous.

4212A-

Scorpion

Found in thicket at Los Mochis.  
Sting somewhat painful - 2 hr dura-  
tion.

4213. Clusia

2

CH  
Col  
NY

Shrub 2 m. tall on riverbank.  
Fls. fragrant, white with pink  
toward center.

4214. Cassia

3

Col

Herb 1 m. in field. Fls. yellow.

4215. Cipura paludosa Aubl.

2

Iridac.

Col

CH - live

Herb in profuse. Fls. pale blue.

4216. Erythroxylum <sup>macrophyllum var. savannarum</sup> ~~floribundum Mart.~~ Plowman

5

ECON  
Col

US

F

Tree 8 m. tall along riverbank.  
Trunk DBH 20 cm. Bark dark  
brown, red within.

Lvs. coriaceous, smooth above, <sup>dark</sup> gr.  
with <sup>pale</sup> prominent veinlets, pale yellow  
green beneath, with dark veinlets.

GTH

4217. Centrosema angustifolium Papilionac.  
1 (HBK.) Benth.

Vine in pasture. Fls. red-violet.  
det. V. Rudd 1977. 1

4218. Phaseolus linearis HBK. Papilionac.

2 det. V. Rudd 1977.

Vine in pasture. Fls. blue-violet.

4219. Polygala

Herb in field. Fls. magenta.

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Los Micos. Elev. 1300 ft. 15 Sept.  
Small copse on hilltop.

4220. Broussaisia grandiflora D. Don  
(3) 4

Cult.  
Woburn

S  
F  
COL

Shrub 2 m. tall in burned out forest. Leaves light to <sup>med.</sup> green, rubbery. Fls. past.

4221.

2

Bursera.

Treelet 4 m. in forest. Fls. dark red, seed arillets, bright pink.

GTH  
Col.

Los Micos. 1400 ft. alt.  
- 14 Sept 1974.

US  
GTH  
Coh.  
4222. Asplenium AURITUM VAR. MORITZIANUM  
3 DET. D.B. LELLINGER 1989 HIERON.  
Fern on fallen log in forest.

GTH  
Coh  
4223.  
2 Fern on fallen log.

GTH  
4224.  
1 fern on bank along caño.

US  
GTH  
Coh  
Seeds!  
4225. Myriophora cf. decipiens Naud. Melast.  
3 det Wendeck 1975  
Treelet 4 m. in forest. Fruits  
lt. green.

GTH  
4226. Hibiscus sp. Malvac.  
1  
Swampy  
Shrub 1.5 m. in clearing in  
forest. Fls. light pink.

4227. Psychotria deflexa DC. subsp. deflexa  
det D. Simpson 1976.

Shrub 2 m. tall. Rachis  
deep magenta. FR. bluish-white,  
unripe green.

4228. Hylaeanthus unilateralis Marañón  
(P. + E.) Jank. + Jank.

Herb in forest to 1 m.  
tall. Bracts green. Fls.  
creamy-yellow, translucent.

4229. Anthurium kunthii Poepp. <sup>det</sup> Madison 1979  
~~pentaphyllum (Aubl.) Griseb.~~  
det Dr. Nicolson 76.

Climbing epiphyte. Spathe  
reddish-purple. Spadix  
brownish-pink.

Palmately compound lvs.

4230. Monstera dilacerata (Koch + Willd.)  
Koch

foto. Climbing epiphyte. Spathe  
creamy white.  
Old spadix deep cream.

4231. Clidemia octona (Bonpl.) Melast.

4

det Wurdach 1975<sup>L. Wms.</sup>

Shrub 2 m. tall in forest.  
Corolla white.

GH  
Coh.

US

4

4232. Duroia hirsuta (P. & E.) K. Schum. Rubiac.

5

det. D. Simpson 1976.

Shrub 3 m. tall. Aut plant.  
Fls. white. Frs. green.

GH  
Coh

F

U

US

4233. Tabernaemontana

Apocyn.

seeds! 9

Shrub 2 m. tall on edge of  
forest. Frs. green outside,  
white within. Seeds dark brown  
with red aril.

GH

det. J. Zarouchi 1977

4234. Tabernaemontana

3

det. D. Simpson 1976.

Shrub 2 m. Fls. white. FRS. green.

Apocyn.

Coh

GH

F

4235. Solanum pectinatum Dun.  
 seeds! 3 in cut over forest.  
 Shrub 2 m. tall. Calyx  
 and corolla white. Frs. yellow.  
 orange at maturity.  
 det. M. Nee 1976.

4236. Solanum ~~sp.~~ mammulosum L.  
 3  
 Shrub 1.5 m. tall. Corolla  
 purple. Frs. deep yellow.  
 along road.

4237. Dalechampia tiliifolia Lam.  
 3 app. G.L. Webster 1975  
 Scandent herb. Bracts  
 pale green. Cut-over woods.

4238. Piper arboreum Aubl. vel sp. aff.  
 4 det. W. Burger 1981.  
 Shrub 5 m. tall in cut-  
 over woods. Spikes green.



4239. Arrabidaea candicans (L. Rich.) Bignoniac.  
-3 det. A. Gentry 75. DC.

Coh.  
~~MO~~  
Liana 10 m. tall. Fls. lavender-pink, white at throat.

4240. Phryganocydia corymbosa Bignon.  
4 (Vent.) Bur. ex K. Schum.

Coh.  
MO  
Liana 10 m. tall. Fls. rose-pink.  
det. A. Gentry 75.

4241. Tibouchina lanorum Wurdack Melast.  
3 det Wurdack 1975.

US  
Coh.  
GH  
Low shrub 1 m. tall in savanna.  
Fls. magenta.

Amasonia lasiocaulos Mart. + Schau. Verb.

4242. Amasonia arborescens HBK. Acanth.  
3 det Moldenke 1975.

Coh.  
NY  
Glt  
Shrub 1 m. tall, unbranched,  
in forest shade. Bracts bright  
red. Corolla cream.

4243. Psychotria platypoda DC. Rubiac.

3 Shrub in forest 1-2 m. Bracts &  
pedicels red-violet. Frs. yellow-green.  
det D. Simpson 1976.

F  
Coh  
Glt

4244. Clavija ORNATA D. Don

5

det B. STAHL 1988

GHT  
Coh.  
U  
US  
E

seed  
PTBG

Tree, unbranched, 4 m. tall.  
Frs. light orange

4245. Erythroxylum cf. macrophyllum Cav.

2

ECON  
Coh.  
U

Small shrub 1.5 m. tall in  
open 2° forest in deep shade. Bark  
grey-brown, fairly smooth  
with longit. cracks. Stem to  
1.5 m. diam. at base. Root  $\frac{1}{3}$  m.  
long. Branches few, horizontal  
(90° to stem). Stipules <sup>red</sup> brown,  
early deciduous. Lvs. smooth,  
hkd. green above, <sup>midrib whitish</sup> shiny, papery, pale green, glaucous beneath,  
with dark gr. veinlets. Midrib  
yellow.

4246. Byrsonia carmeniana Cuatr. Melpighia  
5 det. W.R. Anderson 1975.

GHT  
Coh.  
US  
U

Tree 15 m. in houseyard.  
Frs. deep-golden yellow.

COLOMBIA: Dept. Meta.  
Sierra Macarena.

4247. Clovija

GH  
Coh.  
4 U

3

Low herb  $\frac{1}{2}$  m. tall in shady forest. Petals dull orange.

---

Trail to El Tablazo. 15 Sept 74.  
Alt. 1500 ft  $\pm$  1400 ft.

4248. Jacaratia digitata (P. + S.) ~~Planch.~~  
Solms-Laubach.

GH  
Coh.  
US seed  
PTBG

3

Tree 15 m. tall with spiny trunk;  
40 cm. DBH. Frs. oblong, orange, soft.  
Edge of forest.

4249. Mendoncia lindavii Rusby.

Genes.

GH  
Coh.

5

det. D. Wasshausen 1975.

US

U

Climbing vine 10 m. tall.  
Corolla carmine red. Frs. dark  
purple. Edge of forest along trail.

4250. Monstagua aff. tomentosum K. Sch. Marantac.

GH  
Coh.

2

det P. Maas

Herb in forest. Bracts brown.

4251. Kohleria hirsuta (HBK) Regel *gesnerioides*  
3 det. H. Wiehler 1975

Coh.  
Selby  
GHT

Herb in trail bank.

Corolla red-orange dorsally,  
pale orange ventrally.

Poullinia

4252. Senecio  
2

Coh  
GHT

Vine in open trail bank.

Frs. carmine red, arial white,  
seeds black.

4253.

Uncath.

Coh

"pensamento"

Herb along trail Considerable  
violet, lobes deep purple. Upper  
lobe with br. yellow spot.

4254. Begonia fischeri Schrank  
3 det L.B. Smith 1976

Coh  
US

Fleshy herb along stream in  
open field. Fls. pale pink.  
Stems red, fleshy.

4255. Cephaelis

GHT

Shrub 1 m. in forest. Frs. bright  
blue.

4256. Cupania

Sapindac.

GH

3

det T Probst 1975

Coh.

Tree 7 m. tall on hillside.

US

Fls. yellowish-green. Frs. green with dark purple bluish. Seeds black with white aril.

El Tablazo. 2200 ft. - 2400 ft.  
Volcanic rock.

4257. Tibouchina karstenii Cogn. Melast.

GH

2

det Wurdack 1975

Coh.

Shrub 2-3 m. Fls. red-violet.

4258. Casia viscosa HBK. var. viscosa Legum.

GH

3

det R. Barneby 1975

Coh.

NY

Shrub 3 m. tall forming thickets. Fls. golden yellow.

4259.

Malpigh.

GH

2

Coh.

Scandent shrub 2 m. Fls. pink.

4260. Acyphula panamensis Moldenke ?

3

det Moldenke 1975

NY

Coh

GH

Scandent shrub. Frs. yellow.

4261. Clusia

2

Cdh.

Tree 5 m. tall on edge of rocky cliff in open. Petals white, pink towards center.

GH 4262. Dioscorea

Vine scrambling in shrubs. Frs. dull green.

4263. Miconia minutiflora (Bonpl.) A. Melast.

2

det Wurdach 1975.

Cdh.  
GH

Shrub 2-3 m. Stems red.

Frs. deep purple.

4264. Erythroxylum <sup>macrophyllum var. savannarum Planch.</sup> ~~4 striatum Mart.~~

2.

WON  
Cdh.

Shrub 1 m. tall on hillside  
Lvs. dullish, dark <sup>cut-over</sup> gr. above,  
pale green beneath, chartaceous.

1900  
~~2200~~ ft. Elev.

4265. Erythroxylum cataractarum Spruce

ELON

24

COL

F

COL

U

S

NY

P

IAW

BH

K

RB

NCU

UEC

INPA

G

Shrub 0.5 - 3 m. tall on cut-over hillside among shrubs. Bark reddish to greyish brown. Much branched.

Lvs. dark green to yellow green above, shiny, with prominent veins; pale green beneath with fine dark green veinlets, the areolae paler green but without 2 distinct lines.

Fls. axillary 2-3/axil. Pedicel + calyx yellowish-green. Petals pale creamy-yellow, turning brown.

Fairly large population on cut + burning volcanic-rocky hillside, on east slope of El Tablero in front of the Macarena. Wet drained site.

2100 ft.

var. savannarum  
cf. macrophyllum ~~var. lat.~~

4266. Erythroxylum cf. floribundum Mart.

5

Tree 10-15 m.

tall on edge of rocky cliff in open exposed site.

Lvs. dark shiny green above, pale green beneath.

Col.  
ECON  
US  
GH  
F

16 Sept 1974. Ex T261230. 2200 ft.

Ouvatea sp

4267. Erythroxylum citrifolium St. Hil.

8

Shrub to 2 m. tall on forested hillside. Many seedlings present. Branches horizontal. Lvs.

Branches red-brown; branchlets green, stipules red-brown (rusty). Lvs dark shiny green above, paler green beneath. Sterile.

Col.  
ECON  
GH - w.  
F  
RB  
P

4267-A Erythroxylum

citrifolium St. Hil.  
4268. Erythroxylum ~~floribundum Mart.~~

Shrub 1 m. tall on forested hillside. Sterile.



4269.

2

"cumino"

Small tree 5 m. tall on forested hillside. Sterile. Wood yellow, odor of Cumino.

Los Micos. Alfonso Piñeros' garden.

4270. Molochra rudis Benth.

Cult. herb 1.5 m. Fls. white.  
USE: Medicinal.

4271. Acacia farnesiana Willd.

2 "pela" "aromo"

Shrub 3 m. tall cult. in garden.  
Fls. yellow. Frs. green turning brown.

Medicinal.

Murraya paniculata (L.) Jacq.

4272. Murraya exotica L.

Rutac.

3 "hirta"

Tree 5 m. tall. Fls. white, fragrant. Frs. red, aromatic.

det. J. Pironi 1986.

El Tablazo.

4273. Ossaea boliviensis (Cogn.) Gleason Melast.

G.H.  
Col.

Shrub 2 m. tall on forested hillside. Frs. pale blue.  
det Wunderlich 1975

4274. Monotagma plurispicatum (Koern.) K. Schum. Martuba

G.H.  
Col.

Herb 1 m. tall on forested hillside. Fls. white with pink stem node.

4275. Geraranda obtusifolia H. & B.

Col.  
G.H.

ssp. obtusifolia det A. Gentry 1978

Treelet 2.5 m. tall on cut-over hillside in field. Fls. appearing on naked stems after leaves fall, deep blue-violet.

4276. Solanum pseudolulo Heiser

"lulo montanero"

Col.  
G.H.

Shrub 1 m. tall on grassy savanna. Fls. white. Frs. orange.

Edible!

det. A. Child 1978.

live-wzimea  
1981.

Colombia.

Dept.

Quebrada Blanca.

19 Sept 74.

Glt  
F  
Cd.

4277. ~~Psychotria sp.~~

Rubiace.

3

Cosmibuena grandiflora (R. & P.) Rusby var. grandiflora

Tree or shrub 2-4 m. tall.

Fls. creamy white turning yellow with age, fragrant.

Roadside, cutover.

det D. Simpson 1976.

Dept. Meta: Macarena: Hacienda Los Milos

4278. Citharexylum poepigii Walp. ~~Malpigh.~~

6

det Moldenke 1975.

Tree in open savanna, 15 m. tall. Frs. showy, green then yellow then bright red.

seed PTBG.

Windsor Arb. 7451573.

Colombia: Cundinamarca. Road to Choachi. Páramo.

Macaranga glabra (L.f.) Gilg

4279. ~~Samborombon~~

Gentian

2

det R. S. Raven 1975.

Shrub 2-3 m. Fls. yellow, dull, fleshy.

Glt  
Cd.





3604

3640.

